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Mastering Selenium WebDriver 3.0 Packt Publishing Ltd
Learn How To Perform Test Automation Using Selenium WebDriver A Powerful Guide That Will Help You Automate Any Application Note: Book available on your tablet, phone, PDF, PC, Mac, and paperback (Black/White & Color). You will find details of downloading the PDF document inside the book. 3 Tips To Master Selenium Within 30 Days Copy and paste this URL <http://tinyurl.com/3-Tips-For-Selenium> into your browser to receive your tips A New Automation Engineer Should Not Pass Up This Book ! If you were interested in a book, what would you look for in that book? Would you look for a book that offers valuable information? How about

a book that provides multiple ways to carry out a task? What about a book that is easy to understand? You Will Like Part 1 - Selenium WebDriver for Functional Automation Testing Because The Concepts Are Explained In A Step-By-Step Manner Target Audience Absolute Beginner Don't Miss Out! You Need To Read This Book So You Can Learn: Java / Object - Oriented Programming (OOP) Why JUnit Is NOT Preferred Over TestNG Unit Test Framework How To Implement WebDriver Object and Its Methods How To Find WebElements via HTML How To Perform Actions On The WebElements Last But Not Least , View Practical Automation Test Scripts Executed On Several Popular Web Sites Scroll Up and

Order Your Copy

[Selenium with Python Simplified For Beginners - Simple, Concise & Easy Guide to Automation Testing Using Python and Selenium WebDriver](#) Pearson Education India

Complement Selenium with useful additions that fit seamlessly into the rich and well-crafted API that Selenium offers

Key Features Understand the power, simplicity, and limitations of the core Selenium framework Write clear, readable, and reliable tests that perform complex test automation tasks Work with ChromeDriver and GeckoDriver in headless mode

Book Description The second edition of *Mastering Selenium 3.0* WebDriver starts by showing you how to build your own Selenium framework with Maven. You'll then look at how you can solve the difficult problems that you will

undoubtedly come across as you start using Selenium in an enterprise environment and learn how to produce the right feedback when failing. Next, you 'll explore common exceptions that you will come across as you use Selenium, the root causes of these exceptions, and how to fix them. Along the way, you 'll use Advanced User Interactions APIs, running any JavaScript you need through Selenium; and learn how to quickly spin up a Selenium Grid using Docker containers. In the concluding chapters, you 'll work through a series of scenarios that demonstrate how to extend Selenium to work with external libraries and applications so that you can be sure you are using the right tool for the job. What you will learn

Provide fast, useful feedback with screenshots Create extensible, well-composed page objects

Utilize ChromeDriver and GeckoDriver in headless mode Leverage the full power of Advanced User Interactions APIs Use JavascriptExecutor to execute JavaScript snippets in the browser through Selenium Build user interaction into your test script using JavascriptExecutor Learn the basics of working with Appium Who this book is for If you are a software tester or a developer with working experience in Selenium and competency with Java, who is interested in automation and are looking forward to taking the next step in their learning journey, then this is the book for you.

Selenium WebDriver 3 Practical Guide - Second Edition Apress

Selenium is a the most popular open-source test automation tool. Its widely used in Industry to automate web and mobile

projects. Selenium can be used to test across different browsers and platforms. Its flexible enough to allow you to code your automation scripts in languages like Java, C#, Python etc. Selenium primarily has 3 components Selenium Integrated Development Environment (IDE) Selenium WebDriver Selenium Grid This book covers tutorials and training to teach you Selenium 2 as well Selenium 3. The book uses Java as the scripting language. Table Of Contents Chapter 1: Introduction to Selenium Chapter 2: Install Selenium IDE and FireBug Chapter 3: Introduction to Selenium IDE Chapter 4: Creating your First Selenium IDE script Chapter 5: How to use Locators in Selenium IDE Chapter 6: How to enhance a script using Selenium IDE Chapter 7: Introduction to WebDriver &

Comparison with Selenium RC Chapter 8: Guide to install Selenium WebDriver
Chapter 9: Creating your First Script in Webdriver Chapter 10: Accessing Forms in Webdriver Chapter 11: Accessing Links & Tables using Selenium Webdriver Chapter 12: Keyboard Mouse Events , Uploading Files - Webdriver Chapter 13: How TestNG makes Selenium tests easier Chapter 14: Introduction to Selenium Grid Chapter 15: Parameterization using XML and DataProviders: Selenium Chapter 16: Cross Browser Testing using Selenium Chapter 17: All About Excel in Selenium: POI & JXL Chapter 18: Creating Keyword & Hybrid Frameworks with Selenium Chapter 19: Page Object Model (POM) & Page Factory in Selenium: Ultimate Guide Chapter 20: PDF, Emails and Screenshot of Test Reports in Selenium

[Hands-On Selenium WebDriver with Java](#) Packt Publishing
Get started with Selenium WebDriver, the open source library for automating tests to ensure your web application performs as expected. In this practical hands-on book, author Boni Garcia takes Java developers through Selenium's main features for automating web navigation, browser manipulation, web element interaction, and more, with ready-to-be-executed test examples. You'll start by learning the core features of Selenium (composed of WebDriver, Grid, and IDE) and its ecosystem. Discover why Selenium WebDriver is the de facto library for developing end-to-end tests on your web

application. You'll explore ways to classes to ease test maintenance use advanced Selenium WebDriver and reduce code duplication features, including using web *Java 4 Selenium Webdriver* Independently browsers in Docker containers or Published the DevTools protocol. Selenium If you are a software developer with a basic WebDriver examples in this book are knowledge of testing and are interested in available on GitHub. With this automated testing using Selenium, this is the book book, you'll learn how to: Set up a for you. No prior knowledge of Selenium is Java project containing end-to-end required. tests that use Selenium WebDriver **Selenium Testing Tools Cookbook** Conduct automated interaction with Guru99 web applications Use strategies for Step by step directions to get started with managing browser-specific Selenium using Python as a programming capabilities and cross-browser languageKey features Get introduced to the testing Interact with web forms, world of Selenium Understand the concept JavaScript Control remote browsers of locators in Selenium Learn how to write and use advanced browser scripts using Selenium WebDriver in infrastructure for Selenium Python Learn the concepts of WebDriver tests in the cloud Model synchronization Learn how to handle web pages using object-oriented

different HTML elements like form, table, alert, frame, and dropdown. Learn about design patterns like the page object model, data-driven tests, and adding assertions. Selenium is the most popular open source test automation tool available in the market. In the last decade, its usage has dramatically increased in the IT sector across all types of organizations. The reason for its popularity is mainly because it supports multiple programming languages, test executions on multiple browsers and operating systems. In this book, we will learn about the different components of Selenium. We will discuss the concepts of WebDriver and learn how to apply test automation concepts with it to automate the testing of our application. We

will learn the process of recognizing the test objects on the screen and writing Selenium commands using Python as a programming language. We will also discuss how to use design patterns like the page object mode and data-driven testing to ensure building a robust test framework, which is modular and scalable in nature. What will you learn? The objective is to introduce the world of Selenium to a manual tester who knows Python as a programming language. You will learn to demystify the concept of identifying test objects and writing Selenium commands to create robust test scripts. This book will help learn to automate different HTML elements, which we come across in the web applications we need to test. You will understand how to build a good test

suite by learning the concept of design patterns like the page object model and data-driven tests to ensure maintainability of code. Who this book is for This book is for people who have experience in manual testing and knowledge in Python as a programming language. This book will also be helpful for a developer who knows Python as a programming language and is looking for test automation as a career option. Table of contents1. Selenium - Important Conceptual Background2. Selenium IDE3. Locators in Selenium4. Installation and Setup5. Selenium WebDriver6. Unit Test Creation n Python7. Synchronizing Tests8. Parameterization of Tests9. Handling Different Web Elements10. Working with Frames11.

Concept of the Page Object Model12. Implementing Selenium Grid About the authorPallavi has an overall professional experience of 14 years. She has worked in varied roles as a product/project manager in the presales team and marketing team for solutions on test automation tools.She holds two provisional patents along with other contributors for her work on building tool agnostic test automation framework solutions. Currently, she is acting as a test automation coach, writer, speakerand owner at 5 Elements Learning where she collaborates and works with test automation enthusiasts across the globe. As an avid learner, she likes to keep herself updated to the latest trends andTechnologies. She is a firm believer in a larger good and likes to

live by example. She volunteers her time for the organization eVidyaloka where she acts as a centre administrator. She is a lifetime member for the Jabarkhet forest reserve and People for Animals. Her Website:

<http://5elementslearning.com> Her LinkedIn Profile:

<https://www.linkedin.com/in/pallavirsharma/>

Python Testing with Selenium Vamsee Puligadda

An easy-to-understand guide that will get you acquainted with the core concepts of Selenium WebDriver

KEY FEATURES

- Learn how to build a Keyword Driven Automation Framework with Selenium using Java
- Understand and work with the core concepts of Selenium WebDriver 3.0
- Find how to use Build triggers in Jenkins to

automate tests

DESCRIPTION The book starts by introducing the Selenium WebDriver 3 and Selenium Server by covering each aspect of it in detail. You will learn different concepts like instances and how instances relate to browser sessions. You will further explore the new features in Java 8 with the help of easy to follow examples. Moving on, you will create a Singleton class for fetching WebDriver instances and then explore the different kinds of waits in Selenium. You will then delve into the advanced WebDriver interactions using the Actions class and the JavascriptExecutor. You will then understand the various database operations which will help you with using the MySQL database to store our framework. Next, you

will go through the TestNG framework, followed by parallel execution. Further, you will use Maven as a build tool and Jenkins as a build automation tool. You will go through the working of Selenium Grid along with Mobile automation. Lastly, you will be taken through Selenium 4 and its AI integrated features.

WHAT WILL YOU LEARN

- a- Learn the process of building a Selenium Framework
- a- Understand the Keyword Driven Framework concept
- a- Work with Document Object Model to access page elements
- a- Integrate Maven and Jenkins with Selenium WebDriver
- a- Use Selenium Grid to run multiple tests across

WHO THIS BOOK IS FOR This book has been designed for Automation developers who would like to build a Keyword Driven

framework that fetches keywords from Database. It is also intended for audiences who are interested in understanding Selenium and designing a framework

Table of Contents

1. First look at Selenium WebDriver and Web Elements
2. Looking at the various WebDrivers
3. A brief look at Java
4. Deep dive into Selenium WebDriver
5. Actions class and the JavascriptExecutor
6. WebDriver Events
7. Database Operations
8. Introduction to TestNG framework
9. Parallel Execution
10. Understanding Maven
11. Jenkins Introduction and Scheduling
12. Selenium grid and executing in the cloud
13. Mobile test automation using Appium
14. A look at Selenium-4

About the Author
Pinakin Chaubal, a BE (Computer Science) with 19+

years of experience in the IT area. He has done PMP, ISTQB, HP0-M47 (QTP 11.0 Functional testing expert), and INS-21(General Insurance). He is working as an Automation Architect at Intellect Design Arena Ltd. (Previously Polaris Consulting). Previously he has worked with companies like Patni, Accenture, ACS International (USA), L&T Infotech(USA & India), Polaris Financial Technology, and SQS. He carries six years of onsite experience in the US and eight months in Hong Kong & China, working closely with the client and getting involved in senior management and stakeholder meetings. The clients that he has worked for are YES Bank, HSBC, Travelers Insurance, Harleysville Insurance, Albertsons retail

chain, Bellsouth Telecommunications GE-Fleet Services, and GE-Supply. He is the creator of Youtube channel 'Automation Geek, ' which teaches PMP, ISTQB, Test Automation using Selenium and Cucumber, and Performance testing using JMeter 3.0. He is the author of 'Page Object Model using Selenium WebDriver and Java' and 'Selenium WebDriver Quick Start Guide'. He is also the reviewer of the newly released book on Selenium Frameworks - 'Selenium Framework Design in Data-Driven Testing' by Carl Cocchiaro.

Selenium Essentials Packt Publishing Ltd
Learn end-to-end automation testing techniques for web and mobile browsers using Selenium WebDriver, AppiumDriver, Java, and TestNG
Key FeaturesExplore the Selenium grid

architecture and build your own grid for browser and mobile devices. Use ExtentReports for processing results and SauceLabs for cloud-based test services. Unlock the full potential of Selenium to test your web applications. Book Description Selenium WebDriver 3.x is an open source API for testing both browser and mobile applications. With the help of this book, you can build a solid foundation and can easily perform end-to-end testing on web and mobile browsers. You'll begin by being introduced to the Selenium Page Object Model for software development. You'll architect your own framework with a scalable driver class, Java utility classes, and support for third-party tools and plugins. You'll design and build a Selenium grid from scratch to enable the framework to scale and support different browsers, mobile devices, and platforms. You'll strategize and handle a rich web UI using the advanced WebDriver API and learn techniques to handle real-time challenges in WebDriver. You'll perform different types of testing, such as cross-browser testing, load testing, and mobile testing. Finally, you will also be introduced to data-driven testing, using TestNG to create your own automation framework. By the end of this Learning Path, you'll be able to design your own automation testing framework and perform data-driven testing with Selenium WebDriver. This Learning Path includes content from the following Packt products: Selenium WebDriver 3 Practical Guide - Second Edition by Unmesh Gundecha Selenium Framework Design in Data-Driven Testing by Carl Cocchiaro What you will learn Use different mobile and desktop browser platforms with Selenium 3 Use the Actions API for performing various keyboard and mouse

actions
Design the Selenium Driver Class for local, remote, and third-party grid support
Build page object classes with the Selenium Page Object Model
Develop data-driven test classes using the TestNG framework
Encapsulate data using the JSON protocol
Build a Selenium Grid for Remote WebDriver testing
Build and use utility classes in synchronization, file I/O, reporting and test listener classes
Who this book is for
This Learning Path is ideal for software quality assurance/testing professionals, software project managers, or software developers interested in using Selenium for testing their applications. Professionals responsible for designing and building enterprise-based testing frameworks will also find this Learning Path useful. Prior programming experience in Java are TestNG is necessary.
Selenium 2 Testing Tools Packt Publishing Ltd

The updated second edition of the popular tutorial guide to automated testing. Selenium is one of the most popular open-source automated testing tools available today. Understanding Selenium-RC and writing automated tests in a programming language are sought after skills on the job market and a great way of maximising the benefit from automated testing. Contrary to the beliefs of many testers, learning to code does not have to be complicated or hard. "Selenium Simplified" takes you through the process of installing and learning to use all the basic tools needed to write automated tests using Java as the programming language. Written in a tutorial style, this book helps you learn to code even if you haven't programmed before. No time is wasted on the theory of automation or padding about the tools. This book focuses on the practical knowledge needed to automate tests for production systems.
Selenium Fundamentals BPB Publications
If You Are Ready To Master Selenium
WebDriver Using Java Then You Must Read

This Book " This is by far the best Java book specifically for Selenium WebDriver " Note: Book available on your tablet, phone, PDF, PC, Mac, and paperback (Black/White & Color). The kindle edition is free after purchasing the paperback. You will find details of downloading the PDF document inside the book. 3 Tips To Master Selenium Within 30 Days Copy and paste this URL <http://tinyurl.com/3-Tips-For-Selenium> into your browser to receive your tips Did You Know That Java Is The Most Popular Language In Programming And If You Learn It, You Will Have A Headstart With Selenium WebDriver? Do you wonder how much programming is required for an automation project? The truth is "testers only require a portion of programming" to be effective on a project. " Part 2 - Java 4 Selenium WebDriver " provides the core set of

Java that is needed for an automation project in a step-by-step approach. Necessary Java concepts are explained in a very simple, insightful, and easy to understand manner through straightforward definitions and examples. Don't Miss Out! You Need To Read This Book So You Can Learn: ? Classes, Objects, and Methods ? Arrays and Strings ? Inheritance ? Packages ? Interfaces ? Errors, Exceptions, and Debugging ? How To Utilize Java's Input / Output System Scroll Up and Order Your Copy *Selenium WebDriver Recipes in Java* "O'Reilly Media, Inc." If you are a developer who wants to migrate from Selenium RC or any other automation tool to Selenium WebDriver, then this book is for you. Knowledge of automation tools is necessary to follow the examples in this book. *Selenium WebDriver Practical Guide* Packt

Publishing Ltd

This book contains all major concepts of selenium webdriver in C#.Net like identification of web elements using xpath, css, id, name etc. Book also covers how to work with common web controls like editboxes , comboboxes, checkboxes with selenium in C#. All methods of the synchronization are discussed along with examples. It also covers how we can work with multiple windows, alerts and frames.In the end, book covers the topic of keyword driven automation framework in selenium webdriver using C sharp along with excel programming.

Selenium Simplified CreateSpace

Take a deep dive into building data-driven test frameworks using Selenium WebDriver Key Features A comprehensive guide to designing data-driven test frameworks using the Selenium 3 WebDriver API, AppiumDriver API, Java-Bindings, and TestNG Learn how to use Selenium Page Object Design Patterns and D.R.Y. (Don't

Repeat Yourself) Approaches to software development in automated testing Discover the Selenium Grid Architecture and build your own grid for browser and mobile devices Use third party tools and services like ExtentReports for results processing, reporting, and SauceLabs for cloud-based test services Book Description The Selenium WebDriver 3.x Technology is an open source API available to test both Browser and Mobile applications. It is completely platform independent in that tests built for one browser or mobile device, will also work on all other browsers and mobile devices. Selenium supports all major development languages which allow it to be tied directly into the technology used to develop the applications. This guide will provide a step-by-step approach to designing and building a data-driven test framework using Selenium WebDriver, Java, and TestNG. The book starts off by introducing users to the Selenium Page Object Design Patterns and D.R.Y Approaches to Software Development. In doing so, it covers

designing and building a Selenium WebDriver framework that supports both Browser and Mobile Devices. It will lead the user through a journey of architecting their own framework with a scalable driver class, Java utility classes, JSON Data Provider, Data-Driven Test Classes, and support for third party tools and plugins. Users will learn how to design and build a Selenium Grid from scratch to allow the framework to scale and support different browsers, mobile devices, versions, and platforms, and how they can leverage third party grids in the Cloud like SauceLabs. Other topics covered include designing abstract base and sub-classes, inheritance, dual-driver support, parallel testing, testing multi-branded applications, best practices for using locators, and data encapsulation. Finally, you will be presented with a sample fully-functional framework to get them up and running with the Selenium WebDriver for browser testing. By the end of the book, you will be able to design your own automation testing framework and perform

data-driven testing with Selenium WebDriver. What you will learn Design the Selenium Driver Class for local, remote, and third party grid support Build Page Object Classes using the Selenium Page Object Model Develop Data-Driven Test Classes using the TestNG framework Encapsulate Data using the JSON Protocol Build a Selenium Grid for RemoteWebDriver Testing Construct Utility Classes for use in Synchronization, File I/O, Reporting and Test Listener Classes Run the sample framework and see the benefits of a live data-driven framework in real-time Who this book is for This book is intended for software quality assurance/testing professionals, software project managers, or software developers with prior experience in using Selenium and Java to test web-based applications. This book is geared towards the quality assurance and development professionals responsible for designing and building enterprise-based testing frameworks. The user should have a working knowledge of the Java, TestNG, and

Selenium technologies

Selenium WebDriver Quick Start Guide

Orange Education Pvt Ltd

Real-world examples of cross-browser, mobile, and data-driven testing with all the latest features of Selenium WebDriver 3

Key Features Unlock the full potential of Selenium to test your web applications Use Selenium Grid for faster, parallel running, and cross-browser testing Test iOS and Android Apps with Appium Book

Description Selenium WebDriver is an open source automation tool implemented through a browser-specific driver, which sends commands to a browser and retrieves results. The latest version of Selenium 3 brings with it a lot of new features that change the way you use and setup Selenium

WebDriver. This book covers all those features along with the source code, including a demo website that allows you to work with an HTML5 application and other examples throughout the book. Selenium WebDriver 3 Practical Guide will walk you through the various APIs of Selenium WebDriver, which are used in automation tests, followed by a discussion of the various WebDriver implementations available. You will learn to strategize and handle rich web UI using advanced WebDriver API along with real-time challenges faced in WebDriver and solutions to handle them. You will discover different types and domains of testing such as cross-browser testing, load testing, and mobile testing with Selenium. Finally, you will also be

introduced to data-driven testing using TestNG to create your own automation framework. By the end of this book, you will be able to select any web application and automate it the way you want. What you will learn Understand what Selenium 3 is and how it has been improved than its predecessor Use different mobile and desktop browser platforms with Selenium 3 Perform advanced actions, such as drag-and-drop and action builders on web page Learn to use Java 8 API and Selenium 3 together Explore remote WebDriver and discover how to use it Perform cross browser and distributed testing with Selenium Grid Use Actions API for performing various keyboard and mouse actions Who this book is for Selenium WebDriver 3 Practical Guide is for software quality assurance/testing professionals, software project managers, or software developers interested in using Selenium for testing their applications. Prior programming experience in Java is necessary.

[Selenium 1.0 Testing Tools Beginner's Guide](#) Createspace Independent Publishing Platform

Over 90 recipes to help you build and run automated tests for your web applications with Selenium WebDriver About This Book • Learn to leverage the power of Selenium WebDriver with simple examples that illustrate real-world problems and their workarounds • Explains the testing of mobile applications with Appium for mobile platforms such as iOS and Android •

A pragmatic manual with engaging recipes and attractive screenshots to test your web applications efficiently

Who This Book Is For This book is intended for software quality assurance/testing professionals, software project managers, or software developers with prior experience in using Selenium and Java to test web-based applications. This book also provides examples for C#, Python and Ruby users.

What You Will Learn

- Understand how the locators work and use various locator methods to build reliable tests
- Build reliable and maintainable tests with the Selenium WebDriver API
- Use the PageFactory pattern to build a robust and easy to maintain test framework
- Build data-driven tests and extend Selenium API to

- implement custom steps and checks
- Integrate and use ATDD/BDD tools such as Cucumber, SpecFlow, Capybara, and Behave with the Selenium WebDriver API
- Set up iPhone/iPad and Android simulators and devices to test your mobile web application with Appium
- Set up Selenium Grid for faster and parallel running of tests, increasing test coverage and reducing test execution time for cross-browser testing
- Build extended Selenium WebDriver tests for additional coverage

In Detail This book is an incremental guide that will help you learn and use the advanced features of the Selenium toolset including the WebDriver API in various situations to build a reliable test automation. You start off by setting up the test development environment and gain

tips on the advanced locator strategy and the effective use of the Selenium WebDriver API. After that, the use of design patterns such as data - driven tests and PageFactory are demonstrated. You will then be familiarised with extending Selenium WebDriver API by implementing custom tasks and setting up your own distributed environment to run tests in parallel for cross-browser testing. Finally, we give you some tips on integrating Selenium WebDriver with other popular tools and testing mobile applications. By the end of this book, you will have learned enough to solve complex testing issues on your own. Style and approach This recipe-based guide covers real-life scenarios of testing your web apps with Selenium. Each recipe begins with a short

introduction and key concepts along with illustrated examples of use cases, and ends with detailed but informative descriptions of the inner workings of the example.

[Selenium Webdriver Recipes in Python](#)
Lulu.com

This book covers all major topics related to Automation Testing with Python. This book cover the following Frameworks with Selenium Python: 1. Unit Framework 2. Keyword Driven Framework: Robot Framework 3. Data-Driven Framework 4. POM with Cucumber BDD

[Selenium 1.0 Testing Tools Beginner's Guide](#) BPB Publications

An easy- to- follow guide, featuring step-by-step practical tutorials to help you understand how to automate web applications for testing purposes. If you are a quality assurance / testing professional, a software developer, or a web application developer looking to create automation test scripts for your

web applications, this is the perfect guide for you! As a pre-requisite, this book expects you to have a basic knowledge of Core Java, although any previous knowledge of WebDriver or Selenium-1 is not needed. By the end of this book, you will have acquired a comprehensive knowledge of WebDriver.

Selenium WebDriver 3 Practical Guide

Packt Publishing Ltd

This book is written in Beginner's Guide style which emphasizes the concept of learning by doing. The book is packed with examples and code so that you can get the best out of this book. If you are a Software Quality Assurance professional, Software Project Manager, or a Software Developer interested in automated testing using Selenium, this book is for you. Web-based application developers will also benefit from this book.

An Introduction to Testing Web Applications with Twill and Selenium Packt Publishing Ltd

This book is a beginner's guide to automation testing using Python and Selenium WebDriver. I have explained all the topics in a simple, concise and easy language with thorough examples, codes and have tried my best to make the learning process fun, informative and interesting at the same time. If you want to gain an in-depth understanding, it is quite a simple book for the job. In addition, it is a good way to get started with learning Selenium with Python

Ultimate Selenium WebDriver for Test Automation Createspace Independent Publishing Platform

Step-by-step guide to understand key concepts for Selenium Automation using examples to shine in your interview for test automation roles Key Featuresa- Acquire Selenium skills to do independent test automation projectsa- Learn the basics of Selenium Web Driver for test automation

using Selenium- Understand Page Object Model, including how and when they're used in test automation- Understand the approach for building a test automation framework- Build Selenium test automation scripts using various languages - Java, Python, JavaScript/Node JS and Rubya- Learn how to report and integrate with CI tools for test automation a- Get some professional tips for handling interviews and test automation approach- Implement cross-browser testing scenarios using Selenium Grid and commercial tools and servicesDescriptionSoftware Engineering has taken massive strides with a multitude of technology innovations. With several changes being introduced - development of products and their integration into the market - understanding of mobile devices and user interface channels across a plethora of platforms is getting complex day by day. In addition, since the process or procedures of software testing for products and applications can become an act of boiling the ocean, the role of test

automation is crucial while dealing with such challenges. The book starts with a brief introduction to the world of automation and why it is important, succinctly covering the history of Selenium and the capabilities it offers. In this book, you will learn how to do simple Selenium-based automation with examples and understand the progressive complexity of some key features. Before diving deep into advanced concepts such as Page Object Models, Test Automation Framework and Cross Browser testing, you will grasp comprehensive knowledge of several concepts related to Java, Python, JavaScript and Ruby programming languages. What will you learn By the end of the book, you will find several examples to help ignite your understanding and usage of Selenium across a myriad of languages and frameworks. With this, you'll be able to put your knowledge to practice and solve real-life test automation challenges such as testing a web site, mobile application and leveraging tools available for fast-tracking your test

automation approach. Who this book is forThe book is intended for anyone looking to make a career in test automation using Selenium, all aspiring manual testers who want to learn the most powerful test automation framework - Selenium and associated programming languages - or working professionals who want to switch their career to testing. Table of Contents1. Introduction to Test Automation2. Introduction to Selenium 3. Understanding Selenium Architecture4. Understanding Selenium Tools5. Understanding Web UI 6. Web UI Automation with Selenium Using Java & Python7. Selenium Coding with Other Languages - Ruby & JavaScript6. Building a Test Automation Framework with Selenium8. Advanced Features of Selenium Using Java & Python9. Cross-Browser Test Automation10. Tips and Tricks for Test Automation11. Interview Tips About the Author Kalilur Rahman has a Master's Degree in Business Administration preceded by an Engineering Degree in Computer Science and over 2 decades of

experience in software development, testing and management consultancy. Kalilur has been a developer, designer, technical architect, test program manager, delivery unit head, IT Services and Factory Services Head of varying complexity across telecommunications, life sciences, retail and healthcare industries. His LinkedIn Profile: <https://www.linkedin.com/in/kalilurrahman/>