

# DORIN ONOFREI

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## SUMMARY

A technically proficient, highly analytical software engineer (SDET) with multi-industry experience in application development, SDLC management, testing services, QA, and continuous development and integration. Applies keen skills across several diverse industries, including IT-centric enterprises operating in the healthcare and financial services sectors. Excels at testing various web-based applications, database applications, client-server applications, CI/CD, and AWS. Proven success in ensuring robust technical practices and performance via effective planning and management.

- Solutions Delivery
- Reporting/Documentation
- Framework Development
- Project Management
- Automation Oversight
- Script Creation

## KEY RESPONSIBILITIES

- Mentoring and coaching non-technical team members to succeed in QA coding tasks.
- Built various automated frameworks from scratch, like Cypress, Selenium, and Java.

## TECHNICAL SKILLS

**Project Methodologies:** Waterfall, Agile, Scrum, Kanban || **Testing Tools:** Selenium WebDriver, Selenium Grid, Cucumber, Cypress, Protractor, JDBC, REST Assured, Karate, Log4j, SQL Developer, Apache POI, Postman || **Testing Framework:** JUnit, TestNG, Protractor, Cypress, Page Object Model, REST Assured API || **Continuous Integration:** Jenkins || **Defect Tracking Tool:** Jira, Jira Xray || **Databases:** Oracle, MySQL || **Languages:** Java, JavaScript, TypeScript, SQL, HTML, XML, Gherkin || **Operating Systems:** MAC OS, Windows || **Project Building Tools:** Maven, NodeJS || **Repository Systems:** GitHub, Bitbucket || **IDE:** Eclipse, IntelliJ, NetBeans

## EXPERIENCE

CAPITAL ONE, Richmond, Virginia || **Development, Senior QA Engineer**, 2020-present

- Led smoke, regression, and end-to-end testing coordination and deployment verification in Agile environment.
- Set up and maintained smoke and regression test with Jenkins pipelines, using Cypress Automation Framework.
- Created E2E test suites for all components and ran them through Protractor and Cypress.
- Managed data validation with files to include CSV, Excel, and PDF. Automated various applications by using Protractor and Cypress with Jasmine and Chai across languages to include JavaScript and TypeScript.
- Gathered requirements, functional and technical specifications, business analysis, QA, documentation, test plans, test strategy, test cases, integration, regression, and performance testing.
- Performed configurations in Jenkins to send out emails with status of smoke/regression testing.
- Created customized HTML report to show results of test execution in table format.
- Identified automation requirements and designed automation framework as well as scripts in Protractor and Cypress integration with Jenkins/CI.
- Automated RESTful services using REST Assured API using JavaScript/TypeScript following TDD/BDD framework.
- Analyzed system requirement specifications and developed test plans and cases to cover overall QA system testing.
- Automated AngularJS application module, using Cypress and Protractor with Mocha as well as Jasmine to create specs for various functional scenarios. Used Cucumber to automate services, using REST API.
- Developed test cases based on user stories and functional requirement specification document.
- Gained expertise in manual and automation testing of client/server, web-based, API, and cloud (AWS) apps.

**Environment:** JavaScript, TypeScript, Chai, AWS, AngularJS, REST API, WebDriverJS, Jira, JSON, Shadow DOM, Cypress, Protractor, BDD, YAML, CSV, Jenkins, Git

CARMAX, Centreville, Virginia || **SDET/Automation Test Engineer**, 2018-2020

- Designed, developed, and executed automated UI tests, using Selenium WebDriver and Java Framework.
- Drove extensive contribution in all stages of SDLC and STLC. Performed cross-browser testing on multiple browsers, including Safari, Chrome, Internet Explorer, and Firefox, using Selenium WebDriver and Selenium Grid.
- Coordinated with DevOps in developing POM files in Maven to extend automation framework for CI, using Jenkins on Linux.
- Created framework from scratch, using API testing tool called Karate for REST API Testing.
- Developed and maintained automation framework with POM principles.
- Built framework based on Gherkin and Java languages, together with Selenium WebDriver libraries and Cucumber, by implementing Data-Driven Testing.
- Created features and step definitions packages to manage with Cucumber Runner Classes and execute features and scenarios.
- Automated API services, using Karate DSL framework for unit, integration, and regression testing.
- Discussed documentation with BA, PO, developers, and test lead.
- Utilized bug and defect tracking tools to include Jira and Jira Xray; documented test reports with high-level accuracy and informative steps following best practices.
- Executed SQL queries for back-end testing to view successful interaction of data and validating data.
- Engaged in all Scrum ceremonies: standup, grooming, planning, demo, and retro.
- Reviewed and analyzed user requirements. Participated in verification and validation for developed software.
- Evaluated and maintained requirements and created RTM between requirements and test cases.
- Worked with BA and PO on various activities, including keeping track of project status and deadlines.
- Performed functional, positive, negative, UI, end-to-end, and regression testing.

**Environment:** Java, Selenium WD, Karate, GitHub, JUnit, REST, Cucumber, Maven, POM, CSV, XPath, Jenkins, Agile, Jira Xray, AWS

CREDIBLE BEHAVIOR HEALTH, Rockville, Maryland || **SDET/Automation Test Engineer**, 2016-2018

- Led analysis design implementation and deployment of full STLC for project.
- Utilized Maven as build tool and API REST for testing web services.
- Generated automation framework, using Selenium WebDriver, Java, Eclipse, and TestNG.
- Performed functional, regression, and integration testing.
- Automated test cases by using Java with Selenium WebDriver environment and back-end test by using SQL (JDBC).
- Participated in Agile ceremonies to include sprint planning, daily standup, demo, and retrospective meetings.
- Reduced defects/issues. Collaborated closely with developers and project managers to understand application functionality and navigational flow. Used Selenium WebDriver methods to build framework and run test scripts.
- Defined, developed, and executed automation test scripts using Java, leveraging black box testing across functional.
- Created future files with scenario and scenario outline files, utilizing BDD framework with Cucumber and Java.
- Utilized automated tools with Java and Selenium WebDriver environment. Developed scripts, using JUnit test framework for regression testing.
- Engaged in functionality and regression testing in all environments.
- Employed API REST for testing web services by request and response time, with help of XML data. Added various assertions and performed data-driven testing by getting data from Excel sheet.

**Environment:** Selenium WebDriver, TestNG, Cucumber, REST API, Bitbucket, JavaScript, XML, XPath, Java, GIT, Oracle SQL, Jenkins, Jira

THE SEMINAR NETWORK, Arlington, Virginia || **Manual Tester/Automation Tester**, 2014-2016

### **Section I**

- Gathered information and analyzed requirements from the client.
- Kept track of project status, deadlines, and related activities with BA and PO.
- Involved in creation and execution of manual test cases for checking flow of application functionality as well as positive and negative testing to verify validity of failed test cases. Logged defects and assigned accordingly.
- Prepared testing strategy to meet acceptance criteria.
- Addressed all defects and quality problems with development team.

### **Section II**

- Participated in analyzing and maintaining requirements and created RTM between requirements and test cases.
- Collaborated with business system analysts and developers to define testing requirement documents.
- Developed test scripts, using functional requirement documents, with test scenarios created for positive, negative, and boundary cases. Performed all types of testing on workflows and server software.
- Re-executed tests for corresponding volumes and ensured all parameters remained within acceptable limits after fixes completed by internal environment support team.
- Executed SQL queries on SQL server to view successful transactions of data on back end of database for validation.
- Involved in reviewing and analyzing user requirements. Participated in verification, validation, and acceptance testing for developed software.
- Conducted GUI validations on menu bars, toolbars, text boxes, radio buttons, checkboxes, drop-down lists, and list boxes, using Selenium WebDriver.
- Maintained and executed Maven build files for running automated test cases alongside Continuous Integration tool Jenkins.
- Performed back-end testing, using SQL queries and validated frontend against database.

**Environment:** Jira, GitHub, SQL Server, HTML, TestNG, XML, Quality Center, TestNG Java, Linux, Oracle SQL Developer, MS Office (MS Excel, MS Word, MS PowerPoint), MS Project

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### **CERTIFICATIONS**

*Oracle Certified Associate, Java SE 8 Programmer*  
*AWS Certified Solutions Architect, Associate*  
*Professional Scrum Master I*