BAHADIR KUCUKUYSAL
SOFTWARE TEST AUTOMATION ENGINEER

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PROFESSIONAL SUMMARY

Software Development Engineer in Test with over 5 years of IT experience, proficient in both functional and automation testing for all three layers (UI, API, and DB). Worked in CRM domain. Cross-functional team member with an analytical ability to solve assigned tasks and carefully analyze the results.

- Strong knowledge of **Software Development Life Cycle**, **Software Testing Life Cycle**, and **Defect Life Cycle.**
- Worked in **Agile – Scrum** environments and actively involved in all Scrum and ceremonies.
- Solid knowledge of **Java** with the **Object-Oriented Programing (OOP)** concepts such as inheritance, abstraction, encapsulation, and polymorphism.
- Skilled at analyzing and preparing **test strategies** and **test plans.**
- Created and maintained Behavior Driven Development **(BDD)** frameworks for **UI testing** based on **Maven - Selenium WebDriver - Cucumber - Junit/TestNG,** implementing **Page Object model** with **Page Factory** and **Singleton Design pattern.**
- Performed **functional database testing** using **SQL** queries on relational databases such as **Oracle, MySQL,** and **PostgreSQL**, and used **JBDC library** for **database test automation**.
- Performed **functional API testing** on **Postman** and used **REST Assured library** and **Karate Framework** to automate API tests.
- Proficient in performing **Data Driven testing (DDT)** using **Cucumber Scenario Outline** and **Data Tables**, reading Excel data through **Apache POI,** and **Data Provider** using **TestNG**.
- Experienced in various types of functional testing, including **End-to-end Testing, Smoke Testing, Regression Testing,** and **User Acceptance Testing**.
- Utilized **SLF4J logging API** with **Log4j2 implementation** to enhance the debugging process, implementing robust logging capabilities that facilitated efficient troubleshooting and error analysis.
- Has strong testing mindset employing appropriate test case design techniques such as **boundary value analysis, equivalence partitioning**, **decision table testing, state transition diagrams**, and **error guessing**.
- Proficient in performing **parallel testing** and **cross-browser testing** using **Selenium Grid.**
- Utilized **Git/GitHub** as a robust version control system, facilitating efficient team collaboration, seamless code integration, and effective code management and versioning.
- Utilized **Jira-Xray** as a robust project management and bug tracking tool, effectively coordinating tasks, tracking issues, and optimizing workflow.
- Utilized **Jenkins** within the **AWS** environment to facilitate efficient **Continuous Integration/Continuous Deployment (CI/CD).**
- Explored and practiced mobile testing using **Appium** and **Appium 2**. Utulized **Android Studio** to create **Android emulators** and **UIAutomator2** framework to write test scripts and run them on Android devices.
- Gained practical experience in **Playwright** and **Cypress**, powerful **end-to-end** testing tools.
- Explored and practiced **Apache JMeter** for conducting **load** and **stress** testing with **step-up** and **spike** load scenarios.
- Has strong **mentoring** and **teaching** skills, effectively guiding and imparting knowledge to individuals, fostering their growth and development.
- Strong **collaborator** and **team worker** with **excellent written & verbal communication** and **critical thinking skills**, **adaptive learner**, and **technology lover**.

PROFESSIONAL & TECHNICAL SKILLS

Manual & Automated Testing Frameworks | Functional and Automation Testing | SDLC | Agile – Scrum | STLC | Java – OOP | Maven | UI Test Automation – Selenium WebDriver, HTML, XPath, Css | BDD, Cucumber, Gherkin, Page Object Model (POM), Page Factory, Singleton Design | Junit, Junit 5 | TestNG | Data Driven Testing, Cucumber Scenario Outline, Data Tables, Apache POI, Test NG Data Provider | Database Testing - SQL, MySQL, Oracle, PostgreSQL, JDBC | API & Web Services Testing - Postman, Rest Assured, JSON, POJO, Lombok, Jackson, Postman Automation, Karate Framework | Mobile Testing – Appium, Android - UIAutomator2, iOS - XCUITest, | End-to-end, Smoke, Regression, User Acceptance testing | Parallel, cross-browser testing | Boundary value analysis, equivalence partitioning, decision table, state transition | JIRA-Xray | Git/GitHub | Remote test execution – CI/CD Pipeline, Selenium Grid, AWS - EC2, Jenkins | Logging & Debugging - SLF4J, Log4j2 | Playwright | JavaScript, Cypress, Visual Studio Code | Performance testing, Apache JMeter, load, stress testing | Strategic Problem-Solving | Cross-Functional Collaboration | Teaching, Mentoring |

WORK HISTORY

Cydeo Tech Education - US   Jan, 2022 - Present
Software Development Engineer in Test – Mentor
- Closely **coaches** & **mentors** students throughout a seven-month boot camp:
  Java -> OOP ->Selenium WebDriver -> Cucumber -> Database Testing -> API Testing
- Holds regular **review sessions** and group studies for students.
- Provides one-on-one assistance based on student needs.
- Checks and reviews codes written by students.
- Implements **test automation project** assignments on real web applications to make sure students can put their knowledge into practice - including **Jira** practices and **Git/GitHub** collaboration.
- Implements **Agile-Scrum** ceremonies with students to simulate a real work environment.
- Measures & evaluates student performance on a regular basis and provide feedback to improve them.

NextBaseCRM - US   May, 2019 – Jan, 2022
Software Development Engineer in Test
- Performed **functional** test executions on **Jira/Jira- X-Ray** as a test management and bug-tracking tool providing detailed reports with screenshots.
- Analyzed and developed understanding of **Test Plans**, **SRS**, and **SDS** documents.
- Performed **UI automation** testing in a hybrid **Selenium - Cucumber - JUnit** framework thast supported both **Behavior Driven Development** and **Data Driven Testing**.
- Implemented **Page Object Model** and **Singleton Design Pattern** in automation testing framework.
- Extensively used and took advantage of the **JAVA OOP** concepts in the framework.
- Used **JDBC** library for **Database testing.**
- Performed CRUD operations via **Postman** and **REST Assured Library** for **API Testing**. Handled dynamic payload and reduced boilerplate codes in **POJO** (Plain Old Java Object) with **Lombok** dependency and achieved **serialization** and **deserialization** with the help of **Jackson** library.
- Integrated **Apache POI** libraries into the framework to read data from excel files for **data-driven testing**.
- Performed **smoke** and **regression** testing on **Jenkins**.
- Performed **parallel testing** and **cross-browser testing** using **Selenium Grid.**
- Applied appropriate testing approaches such as **positive and negative testing, boundary value analysis,** and **equivalence partitioning**.
- Used **Git/GitHub** as version control system for team collaboration.
- Created test reports in **HTML** and **Cucumber reports** with detailed test steps, screenshots, pie-charts, matrices, fail-pass percentages, etc.
- Actively took part in **Agile/Scrum** ceremonies - **Grooming, Sprint Planning, Sprint Retrospective, Daily Standup,** and **Demo Meeting.**

CERTIFICATION

- **30 Days of Postman – For Developers**
  - Postman
  - https://badgr.com/public/assertions/Rq-9l9gjQ9isVhXOhponNw

- **15 Days of Postman – For Testers**
  - Postman
  - https://api.badgr.io/public/assertions/Grngrqe_RV6oT2BguNUyGA?identity__email=bkucukuysal%40gmail.com

- **Certified Tester, Foundation Level Agile Tester**
  - International Software Testing Qualifications Board (ISTQB)
  - https://app.diplomasafe.com/en-US/diploma/dc9fcfe44c7b50384e8883be23d9d34ec9519c74e

- **Postman Automation Tester**
  - Postman
  - https://api.badgr.io/public/assertions/N0GoFHKPQoKWXboy4Cz9Pw?identity__email=bkucukuysal%40gmail.com

- **IBM IT Scrum Master Specialization**
  - IBM – SkillUp EdTech
  - https://coursera.org/share/b7d17ebe7fc7ae60e065b71b30b8fdcb

- **Postman API Tester**
  - Postman
  - https://api.badgr.io/public/assertions/VR5Nej6QT8-FtimDvIei_w?identity__email=bkucukuysal%40gmail.com

- **Certified Tester, Foundation Level**
  - International Software Testing Qualifications Board (ISTQB)
  - https://app.diplomasafe.com/en-US/diploma/d51c701d75ef37410e05bbef0a24b8d60806339d8

- **Automated Software Testing: Model and State-based Testing**
  - Delft University of Technology
  - https://courses.edx.org/certificates/4a26ca2097b34e95ad8792f8bd3963a9

- **Automated Software Testing: Unit Testing, Coverage Criteria and Design for Testability**
  - Delft University of Technology
  - https://courses.edx.org/certificates/ff946fa4ac554cc8935e31c7193ef0a2

- **Continuous Delivery with Jenkins in Kubernetes Engine**
  - Google
  - https://coursera.org/share/db417d1d3fcc80aab3af46fd1b64f024

- **Continuous Delivery & DevOps**
  - University of Virginia Darden School of Business
  - https://www.coursera.org/account/accomplishments/certificate/AFLWTUU84CU6

PREVIOUS CAREER

TNPA, Institute of Security Sciences   September, 2009 – June - 2016

Academic researcher – Instructor

- Taught Bachelor's and master's degree classes on Criminal Justice.
- Conducted and involved in field studies and research projects.
- Performed statistical analyses such as descriptive analysis, multivariate analysis, time series analysis, regression, structural equation modeling, and confirmatory factor analysis.
- Attended and presented in many national/international conferences, symposiums, seminars, and workshops.
- Published an editorial book and 11 articles in national and international scholarly journals.

EDUCATION

The University of Central Florida - FL, USA   August 2005 – August 2008

Ph.D. Program in Public Affairs,
Collage of Health and Public Affairs

The American University in Washington DC, USA   January 2003 –August 2005

Master's Program in Justice, Law & Society,
School of Public Affairs

TNPA, Institute of Security Sciences – Ankara, Turkey   August 1997 – June 2001

Bachelor's Program in Criminal Justice