Udaykiran Kalyanapu

Arlington, VA 22202 | (412) 696-2334 | kalyanapuudaykiran32@gmail.com | https://udaykportfolio.netlify.app/
https://www.linkedin.com/in/udaykiran-kalyanapu-9713b2172/ | https://github.com/UdaykiranKalyanapu

⚇ CAREER SUMMARY

I am a dedicated **Master's student** in Computer Science with **2+ years of IT experience**, primarily in **QA Automation and Backend Development.** Proficient in **Java, Selenium, TestNG, Cucumber BDD, Postman, and Rest Assured** for developing best automation frameworks. I have experience with cloud technologies such as **AWS, GCP** and tools like **Jenkins, Git, and Maven**. My backend experience includes working with **Spring Boot, MongoDB, and API integrations.** I have also worked across multiple phases of STLC, including requirement analysis and test planning. I am looking for role in Software Engineering.

⌨ WORK HISTORY

Software Intern [Spring Boot, AWS Lambda, REST APIs, Java, Java Bandung]
IpserLab | Chicago | April 2025 – June 2025
- Building and optimizing scalable backend systems using **Java Bandung, Spring Boot, and AWS Lambda** for serverless compute.
- Designed and implemented **RESTful APIs** to support **microservices-based architecture** and internal platforms.
- Developed and executed **unit and integration test cases** to ensure the reliability and correctness of backend services.
- Collaborated in **Agile sprints** to deliver features, resolve bugs, and continuously integrate code through CI pipelines.
- Applied **Java Bandung principles** to improve backend logic structure, ensuring modularity and readability of services.

Graduate Student Assistant [Computer Architecture, Assembly, JavaFX, Core Java, OOP, Threading]
George Washington University | Washington DC |August 2024 - April 2025
- **Evaluated coding assignments and simulation projects** in Computer System Architecture, focusing on **ALU** and **memory design**.
- Assisted students in troubleshooting **JavaFX-based simulators** for binary and octal conversions using **Java OOPs**.

Senior Software Engineer [Selenium, Java, Maven, AWS, TestNG, BDD, Postman, Rest Assured, Jenkins, Jira, Junit, GitHub]
Capgemini |October 2022 - December 2023
- Built and maintained 115+ **Selenium automation scripts in Java**, improving **regression test coverage** by 35% and reducing test execution time by 25%.
- Built a hybrid automation framework (**Cucumber, Karate DSL, TestNG**) for **parallel execution** of 47+ test suites.
- Designed and validated **RESTful APIs** using **Postman and Rest Assured**; documented and tracked defects via Jira.
- **Winner**, New Generation Talent Hackathon 2023 (Capgemini - India) – secured 1st place by creating an **scalable automation scripts** using **OOD** practices
- Collaborated with QA Leads and **cross-functional** teams to define effective **testing strategies** and ensure high-quality deliverables.

Automation Tester Intern [Selenium IDE, Selenium, SQL, Manual Testing, RTM, OOP, UI Testing]
Capgemini | February 2022- April 2022
- Performed **functional and UI testing** for a website called Magic Bricks, a real estate platform and raised 25+ defects with a **defect report**.
- Created **RTM (Requirements Traceability Matrix)** to ensure **end-to-end testing**.
- Built **60+ manual test cases and 30+ Selenium test scripts**, implementing **OOD patterns** to promote scalability and cleaner test code organization.

⍜ EDUCATION
- **GEORGE WASHINGTON UNIVERSITY, Washington DC** | Masters (**MS**) - **Computer Science** |January 2024 -December **2025**   3.93 GPA
- **VELTECH UNIVERSITY [VTU], India** | Bachelor of Technology (**BTech**) – **Computer Science and Engineering** | June 2018 - **July 2022**   3.54 GPA

⌾ TECHNICAL SKILLS
- **Programming Languages:** Java, Kotlin, JavaScript, Python, Gherkin.
- **Databases**: MySQL, PostgreSQL, MongoDB, SQLite, Oracle, NoSQL.
- **Frameworks**: Selenium, TestNG, Junit, JMeter, Selenium IDE, Cucumber, Karate DSL, Postman, Rest Assured, Jenkins, Git, Jira, UI Path, Spring Boot, React.js.
- **Additional Skills:** AWS, GCP, Docker, Kubernetes, Agile, SDLC, AWS, Linux, Microsoft Office.

▤ PROJECTS
Flight Ticket Booking Automation [Java, Selenium, TestNG, Postman, AWS, Git | Hackathon Project]
Designed a **Selenium-based framework** for automating ticket booking workflows.
Integrated **AWS Lambda** for executing test cases in a serverless environment, enabling faster and cost efficient **parallel testing** with **cross-browser testing** collaborated in an **Agile** environment**.**

★ CERTIFICATIONS
- Certified in AWS Solution Architect. (AWS).
- Certified in Automation Engineer with Selenium - Practitioner level. (Capgemini).
- Certified in UI Path RPA Developer Advanced – Level 3. (UI Path).
- Certified in Salesforce AI Specialist. (Salesforce).
- Certified in Google Associate Cloud Engineer. (Google).
- Certified in Agile Software Development methodologies. (Capgemini).