Udaykiran Kalyanapu

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 **CAREER SUMMARY**

**Detail-oriented QA Automation Engineer** with 2+ years of experience in manual and automation testing across web and API layers. Proficient in **Java, Selenium, TestNG, Postman, Junit, Test Runner, Rest Assured, and Cucumber BDD**, with hands-on experience designing hybrid frameworks and executing test strategies throughout the **STLC**. Skilled in **CI/CD pipelines using Jenkins**, **Agile methodologies**, and cloud platforms like **AWS and GCP**. Experienced in **defect tracking and test management using Jira**. Known for strong problem-solving skills and consistently delivering high quality, defect free software products.

# WORK HISTORY



# Software Intern [Spring Boot, AWS Lambda, REST APIs, Java, Java Bandung]

### IpserLab | Chicago | April 2025 – August 2025

## • Building and optimizing scalable backend systems using Java Bandung, Spring Boot, and AWS Lambda for serverless compute.

## • Built and validated REST APIs with Postman, integrated test automation into backend services using JUnit and custom test harnesses

## • 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 OOP 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 Icon PNG - Education Icon Vector, Education Icon White ... EDUCATION

* **GEORGE WASHINGTON UNIVERSITY, Washington DC** | Master’s (**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**

# Skills Icons - Download Free Vector Icons | Noun Project 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.

Collective Projects Icon of Line style - Available in SVG, PNG ... **PROJECTS**

**Flight Ticket Booking Automation [Java, Selenium, TestNG, Postman, AWS, Git | Hackathon Winner 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** Implemented parallel test execution using TestNG and integrated CI using Jenkins.
* Validated backend **REST APIs** using **Postman**; automated test execution on **AWS Lambda** for serverless testing.

**★ 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).
* Oracle Cloud Infrastructure 2025 Generative AI Professional. (Oracle).