

Harsh Maganbhai Dungarani

San Diego, CA | +1(347)-969-3373 | harshdungarani10@gmail.com | [Figma Profile](#) | github.com/dungaraniharsh

SUMMARY

Software Engineer with over 3 years of experience in full-stack development, specializing in Angular, Java/Spring Boot, and AWS, with a proven track record of designing RESTful APIs and automated testing with Selenium and debugging complex systems. Proven expertise in designing micro frontend architectures, deploying containerized solutions (Docker/Kubernetes), and optimizing regulated environments. Passionate about solving complex problems in data-intensive domains, with a track record of delivering high-impact tools and platforms.

CORE TECHNICAL KNOWLEDGE

Programming Language: Java, Typescript, JavaScript, Python, SQL

Frameworks/ Libraries: React.JS, Node.JS, Spring boot, Bootstrap, React Native

Tools / Services: Selenium, Agile/Scrum, Jenkins, AWS, Docker, Git, Linux, Microservices

Testing Tools: JUnit, PyTest, Jest, TestNG

WORK EXPERIENCE

IT Analyst | Doodle Equity LLC., San Diego, CA

Sep 2024 - Present

- Tested RESTful APIs (Java/JUnit) for CRUD operations and status codes (200/400/500). Automated tests using Postman/Jenkins and mocked Trello dependencies via Pact.js, reducing defects by 32%.
- Built a distributed, AI-driven flower pricing application using React Native and TensorFlow.js, achieving 95% recognition accuracy and seamless scalability on AWS Amplify.
- Optimized API response validation by developing an automated API testing suite with Postman and PyTest, improving backend validation speed by 35%.
- Reduced deployment time by 35% by enhancing CI/CD pipelines with Jenkins and Docker, automating builds and deployments.

Software Engineer | SFHAX Inc., Remote, NJ

Jul 2023 - Dec 2024

- Automated end-to-end testing for a Node.js onboarding system using Selenium (10+ workflows) and TestNG, integrating with Jenkins CI/CD for nightly runs. Streamlined operations by embedding tests into sprints, reducing onboarding time by 21% and manual QA by 19%.
- Developed and integrated RESTful APIs using Java Spring Boot to enhance backend functionality, improving system reliability by 20% as measured by reduced defects in the AS-IS system, achieved through rigorous module testing and optimization.
- Built interactive web applications using Node.js, Angular 15 and HTML/CSS and MongoDB for database, improving page load speed by 3 seconds as measured by performance audits through optimized coding practices and responsive design.

Full Stack Developer | Weappline Technology, Surat, India

Mar 2020 - Jul 2022

- Created a scalable e-commerce platform using Angular, Node.JS, Django, and NoSQL, processing 900+ monthly transactions while ensuring high availability and data integrity.
 - Developed a real-time order tracking system using Python, PyQt, SQLAlchemy, and MySQL, achieving 88% tracking accuracy as measured by error-free location updates and delivery confirmations through optimized database queries and robust error handling.
 - Integrated over 78 server APIs to handle real-time data using RESTful services, delivering a seamless data pipeline as measured by improved API response times and efficient bug tracking through Jira.
-

PERSONAL PROJECTS

Online Examination System | Java, Spring Boot, MySQL, AWS S3, Agile/Scrum, Angular

- Developed a full-stack examination platform with seamless exam creation, test-taking, and result processing, leveraging MySQL and AWS S3 for secure data management and achieving 91% uptime.
- Streamlined testing and deployment using Jest, Selenium and Jenkins in an Agile/Scrum environment, improving system stability by reducing deployment errors by 14%.

Automated Testing Framework for Scalable Web Applications | Java, Selenium, TestNG, Jenkins, Docker, Kubernetes

- Developed an end-to-end test automation framework using Selenium and TestNG, scripting 100+ test cases for UI interactions, API validations, and database consistency checks, reducing manual QA effort by 40%.
 - Integrated the framework with Jenkins CI/CD pipelines to enable automated nightly test executions, real-time failure reporting, and regression testing, ensuring faster issue identification and resolution.
 - Used Docker and Kubernetes to containerize test environments, dynamically spinning up isolated testing instances to support parallel execution and cross-environment compatibility testing, improving deployment stability and scalability.
-

EDUCATION

California State University San Marcos, USA

Aug 2022 - May 2024

Master of Science in Computer Science | GPA: 3.5

Gujarat Technological University, India

Aug 2016 - Aug 2020

Bachelor of Engineering in Computer Engineering

CERTIFICATES

[Salesforce Certified AI Associate](#) | [Generative AI by Microsoft](#) | [Cloud Computing by The Cloud Bootcamp](#) | [Python 3 on Udemy](#)