Yeswanth Chandrasekhar

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Summary

Software Engineer with 2.5+ years of experience in backend development, automation engineering, and cloud systems. Proficient in Java, Python, Spring Boot, React, SQL, AWS, Docker, and Kubernetes, delivering scalable APIs, distributed systems, and CI/CD pipelines. Experienced in building funding and reporting platforms, AI-driven automation, and cloud-native applications. Passionate about designing reliable software, optimizing performance, and driving innovation in Agile environments.

Education

University of Texas at Dallas | Richardson, TX, USA   **May 2025**

Master of Science in Business Analytics and Artificial Intelligence (GPA: 3.52/4.0)
Courses: Machine Learning, Artificial Intelligence, Big Data Systems, Cloud Computing, Distributed Systems

BMS Institute of Technology and Management | Bengaluru,India   **July 2022**

Bachelor of Technology in Computer Science and Engineering
Courses: Data Structures and Algorithms, Object-Oriented Programming, Software Design, Operating Systems, Computer Networks

Skills

Programming & Databases: Java, Python, JavaScript, TypeScript, SQL, PostgreSQL, MongoDB, MariaDB
Frameworks & Libraries: Spring Boot, React.js, Node.js, Django, Playwright, Selenium, PyTest, TestNG
Cloud & DevOps: AWS, Docker, Kubernetes, Terraform, Git, CI/CD (GitHub Actions, Jenkins, Bamboo), Datadog, CloudWatch
Software Engineering: REST APIs, Microservices, System Design, Data Structures & Algorithms, Agile
Testing & Quality Engineering: Backend Automation, API Validation, Performance Testing, JUnit, Cucumber BDD

Experience

Software Developer | Community Dreams Foundation, Orlando, Florida   **August 2025 – Present**
- Contributing to Java backend services for funding and reporting systems, implementing secure APIs to support financial workflows for community programs and partner organizations.
- Assisting in React.js front-end development, building dashboards to track funding allocations and generate financial reports.
- Collaborating in Agile sprints with senior engineers to debug features, integrate front-end and backend components, and deliver incremental releases.

Software Engineer (QA and Automation) | Synchronoss Technologies, Bengaluru, India   **July 2022 – July 2023**
- Designed and implemented **backend automation frameworks for Verizon Cloud application** using Java and TestNG, reducing post-release defects by 30 percent and improving regression stability.
- Integrated automation suites with Selenium WebDriver and Bamboo pipelines, cutting manual testing by 50 percent and enabling scalable nightly regression across microservices.
- Developed more than 25 reusable test cases and backend API validations, boosting automated coverage to 70 percent and improving early defect detection.
- Executed **Web-CS backend validations** and **SQL queries** to identify top storage-consuming accounts, freeing up 30 percent of capacity for stable and repeatable tests.
- Engineered **test strategies for cloud and mobile applications**, validating device-to-cloud and app-to-cloud interactions to ensure scalability and high availability.
- Partnered with developers to validate bug fixes, firmware updates, and UI/UX features, enhancing system performance and user experience across distributed environments.
- Collaborated with DevOps to containerize automation environments using Docker and Kubernetes, reducing environment-related failures by 40 percent and ensuring consistent builds.
- Participated in Agile ceremonies including stand-ups, sprint planning, backlog grooming, and Kanban reviews to align deliverables and ensure consistent on-time releases.

Cloud QA and DevOps Intern | TCR Innovation, Bengaluru, India   **January 2021 - July 2022**
- Automated **cloud application validation scripts** in Python and Shell, reducing manual testing effort by 25% and accelerating release validation cycles.
- Deployed and validated applications on **AWS EC2 and S3**, ensuring reliability, scalability, and stable performance of cloud services.
- Configured and maintained **CI/CD pipelines with Jenkins and GitHub Actions**, improving deployment frequency by 20% while reducing integration issues and build failures.
- Collaborated with DevOps and developers to **stabilize Docker and Kubernetes environments** and conduct API and performance testing, lowering environment failures by 15% and improving overall product quality.

Projects

Funding and Reporting Systems (Community Dreams Foundation) | Java, Spring Boot, React, REST APIs, PostgreSQL
- Developed Spring Boot REST APIs to support funding allocations, donation tracking, and financial reporting workflows for community programs.
- Built React-based dashboards with secure authentication and reporting features, enabling transparency and reducing errors in fund distribution by 15%.

LLM-Driven QA Test Authoring| Python, Playwright, PyTest, GitHubActions
- Built an AI-assisted pipeline using large language models to auto-generate and validate Playwright test scripts, reducing manual coding effort by 60%.
- Integrated with GitHub Actions CI/CD workflows for scalable cross-browser execution, ensuring reliable automation and consistent quality gates across distributed builds.