Yeswanth Chandrasekhar

Austin, Texas | +1 737-497-2105 | yeswanthchandrasekhar7@gmail.com | LinkedIn | GitHub

Summary

Software Engineer with hands-on experience in **backend development**, **cloud services**, and **automation**. Skilled in **Java**, **Python**, and **AWS**, with a strong foundation in **data structures**, **algorithms**, and **scalable system design**. Experienced in developing **RESTful APIs** and deploying cloud-native applications, leveraging **AI-assisted development tools** to enhance productivity, reliability, and code quality.

Experience

Software Developer - Remote | Community Dreams Foundation, Orlando, FL **August 2025 - Present**

- Designing scalable **Spring Boot microservices** with **PostgreSQL** for the **Funding and Reporting Systems project**, improving API response times by **15%** via optimized queries.
- Developing **React dashboards** with validation and audit features to enhance data accuracy and user trust.
- Enhancing **CI/CD pipelines** using **GitHub Actions** and **Terraform**, reducing deployment time and ensuring reliable releases.
- Using **AI-assisted tools** (GitHub Copilot) to accelerate coding and automate unit test creation.

Software QA Engineer | Synchronoss Technologies, Bengaluru, India **July 2022 – July 2023**

- Automated backend **API testing** for Verizon Cloud using **Java**, **TestNG**, and **Maven**, achieving **95% regression coverage** across pre-production and production.
- Identified and optimized high-storage user accounts via **SQL analytics**, freeing up **30% capacity** and stabilizing QA environments.
- Containerized automation frameworks with **Docker** and integrated them into **Bamboo CI/CD pipelines**, reducing flaky test failures by **25%** and improving release confidence.
- Supported migration to **Kubernetes** through SQL-driven validations and workflow reruns to ensure data consistency across clusters.
- Debugged environment-level issues using **shell scripts** and system logs, reducing downtime and improving distributed QA stability.
- Collaborated with **DevOps** and **ML teams** to validate analytics-driven features, improving model accuracy by **15%**.

Cloud QA and DevOps Intern | TCR Innovation (Remote) **January 2021 – July 2022**

- Automated validation of **AWS Lambda** and **API Gateway** workflows using **TypeScript** and **LocalStack**, improving test efficiency.
- Built reusable **Terraform modules** to spin up QA environments, cutting setup time by **30%**.
- Created a **Python utility** to inject synthetic **S3 events** into **SQS queues**, increasing distributed pipeline coverage.
- Partnered with **DevOps** to integrate automated tests into **CI/CD workflows**, maintaining parity across environments.

Web Development Intern | LetsGrowMore (Remote) **September 2021 – October 2021**

- Developed a responsive **React web application** integrated with **RESTful APIs** using Axios and Hooks, improving data fetch speed and reliability by **25%**.
- Created reusable **UI components** with **JavaScript** and **React**, enhancing maintainability and reducing redundancy by 30%.

Projects

Funding and Reporting Systems | Java, Spring Boot, React, REST APIs, PostgreSQL

- Built **REST APIs** and **React dashboards** with authentication and validation layers, reducing financial allocation errors by **15%**.
- Partnered with **DevOps teams** to deploy through **AWS EC2** and **Terraform**, improving deployment reliability and runtime efficiency.

LLM-Driven QA Test Authoring | Python, Playwright, PyTest, GitHub Actions, OpenAI API

- Developed an **AI-assisted framework** to auto-generate **Playwright test scripts** using LLM prompts, reducing manual QA effort by **60%**.
- Integrated **CI/CD workflows** with GitHub Actions to enable scalable cross-browser automation and self-healing test adaptation.

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, Software Design, Operating Systems, Computer Networks, Natural Language Processing, Design and Analysis of Algorithms, Software Engineering

Skills

Languages: Python, Java, C, C++, JavaScript, TypeScript, SQL, R, Go
Frameworks: Spring Boot, React.js, Node.js, Selenium, Playwright, PyTest, TestNG
Cloud & Systems: AWS (Lambda, EC2, API Gateway, S3), Docker, Kubernetes, Terraform, GitHub Actions, Jenkins, Bamboo, Linux, Unix
Databases: PostgreSQL, MongoDB, MySQL
Tools: Git, Prometheus, Datadog, Grafana, CloudWatch, Tableau, JIRA
Practices: Algorithms, OOP, System Design, REST APIs, Microservices, CI/CD Pipelines, Agile Development