
VARSHA ALLAMNENI

Phone: 940-206-3607 | Email: varshall3607@gmail.com | [LinkedIn](#) | Dallas

SUMMARY

Highly skilled Software Development Engineer with around 4 years of experience, including over 2 years at Amazon. Specializing in API Development, system performance optimization, and end-to-end testing, with proven expertise in designing and implementing efficient Solutions for high-traffic applications, managing critical tier-1 services that handle millions of requests per second.

TECHNICAL SKILLS

- Programming Languages: Java, JavaScript, Ruby, TypeScript, C++, C#, Python.
- Web Technologies: HTML, CSS, Bootstrap, Spring Boot, ReactJs, NodeJS, Angular, Hibernate.
- Databases and Platforms: Windows, Linux, Unix, MySQL, Oracle, DynamoDB, MongoDB.
- Cloud Technologies: AWS (S3, Dynamo DB, CloudWatch, CloudFormation, IAM, Lambda), Microservices, Docker

PROFESSIONAL EXPERIENCE

Software Development Engineer, Amazon – Washington, USA.

Jul 2022 – Present

- Designed and implemented a new CDK package, setting up a new pipeline for automated deployments, and integrating alarms and metrics for system health monitoring and created custom constructs and stacks to streamline infrastructure-as-code processes.
- Developed a responsive front-end application using Ruby, enhancing user experience across devices, and led testing efforts for major software releases, ensuring high-quality product delivery within timelines.
- Improved customer experience by implementing efficient AWS step functions, eliminating redundant code, and accelerating website performance.
- Introduced dynamic scaling of EC2 instances using Amazon EC2 auto-scaling and elastic load balancers, ensuring zero downtime during runtime and managed user accounts with proper IAM policies, performed data backups, monitored performance with CloudWatch, and resolved critical issues for 30 pipelines across three projects.
- Led the migration of 5 critical services to JDK17, resulting in a 25% performance improvement and enhanced security, directly aligning with the role's emphasis on optimizing application performance and security.

Software Engineer, IBM - Hyderabad, India

Jul 2019 - Dec 2020

- Modernized the product using ReactJs, enhancing the user interface which significantly improved customer experience.
- Designed and developed new features, addressing client requirements and augmenting the functionality of the application.
- Improved application unit test coverage to 100% which ensured robustness and reliability
- Performed sprint planning, execution and review within software development life cycle.

Software Engineering Intern, Thomson Reuters – Hyderabad, India.

Feb 2018 – Jun 2018

- Developed multiple screens for the front end using ReactJs, HTML5, CSS, JavaScript validation, and XML.
- Gained knowledge on securing web applications against vulnerabilities such as SQL Injection, Cross-Site Scripting, and other pilotable threats.

EDUCATION

University of North Texas, Texas, USA

Master of Science in Computer Science

Jan 2021 – May 2022

GPA 4/4

Jawaharlal Nehru Technological University (NMREC), Hyderabad, INDIA

Bachelor of Technology in Computer Science and Engineering

Aug 2015 – May 2019

GPA 3.5/4

PERSONAL PROJECTS

Online Quiz

- Designed and developed an end-to-end web application that conducts an online quiz where professor can post questions and students can take Quiz using MVC architecture.

Social Platform for Ride Sharing

- Developed a cross-platform mobile app with React Native and Expo, featuring groups, queries, delivery, ridesharing, and chat, with a TypeScript backend using Express and a custom Node.js library for boilerplate generation.

Face Recognition Student Attendance System

- The system authenticates users by capturing and analyzing facial geometry, with the frontend in Python, HTML, JavaScript, and CSS, and the backend using Python with Flask and phpMyAdmin.