Ruthvik Kumar Myadam

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PROFESSIONAL SUMMARY

Software Development Engineer with 4 years of experience building scalable systems in Java, React, Node.js, and AWS. Strong in distributed systems, microservices, and backend optimization with a focus on delivering efficient, production-ready solutions. Adept at driving automation, reducing system latencies, and enhancing product reliability.

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C#, JavaScript, TypeScript, SQL
Frameworks & Libraries: Spring Boot, React.js, Node.js, Express.js, .NET Core
Cloud & DevOps: AWS (EC2, S3, RDS), Docker, Kubernetes, Jenkins, Git, CI/CD, Postman
Databases: MySQL, SQL Server, MongoDB, SQLite
Testing & QA: JUnit, Selenium, Integration Testing, Unit Testing, Functional Testing
Core Concepts: OOP, REST APIs, Distributed Systems, Microservices, Agile, System Design, Algorithms, Data Structures

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EXPERIENCE

Software Developer
State of Nevada - Division of Child and Family Services | Nov 2024 – Present

- Built a full-stack automation platform using Java and Playwright, improving browser test stability and reducing manual verification effort by ~50%.
- Developed orchestration tools for test execution with real-time script updates, increasing QA efficiency in handling complex test scenarios.
- Enhanced data retrieval speeds by ~60% by optimizing SQL queries and applying lazy loading where feasible.
- Automated recurring report generation via Java batch jobs and SQL stored procedures, eliminating approximately 30 hours of monthly manual effort.
- Designed and consumed RESTful APIs via Java and MuleSoft for seamless integration across internal applications.
- Analyzed large datasets using SPUFI on IBM z/OS to validate payment data, aiding in audit readiness.

Full Stack Developer
ABAL Technologies Inc, New Jersey | Jan 2024 – Oct 2024

- Developed cloud-native features in a React and Node.js application, directly contributing to improved customer interaction times.
- Engineered and deployed Java Spring Boot microservices to replace monolithic components, reducing server load during peak times.
- Improved MySQL query performance by introducing indexing strategies, cutting average query time by around 65%.
- Automated deployments using AWS EC2, S3, and RDS via Jenkins pipelines, reducing deployment issues and downtime.
- Participated in Agile ceremonies and contributed to sprint planning, ensuring consistent feature delivery within 2-week cycles.

Student Assistant

University of Texas at Arlington - Office of Information Technology | May 2023 – December 2023

- Rebuilt and optimized the UTA Org Chart using recursive rendering techniques, reducing page load time by ~30%.
- Translated complex SQL data into structured, efficient frontend components for better visualization.
- Supported manual testing and system documentation to enhance product reliability during development phases.

Software Engineer

Wipro Technologies, Hyderabad, India | Jun 2019 – Dec 2021

- Refactored a monolithic Java application to a Spring Boot microservice architecture, improving deployment flexibility.
- Designed and developed UI components with React and Redux, enhancing the application's usability and user data entry speed.
- Developed and secured REST APIs using Spring Security and followed dependency injection principles for modularity.
- Increased unit test coverage to ~80% using JUnit and automated functional testing with Selenium, reducing production incidents.
- Followed Agile methodologies, delivering stable releases in a continuous integration environment.

PROJECTS

Student Marketplace Platform

React, PHP, Laravel, Selenium, MySQL
- Developed a responsive marketplace with optimized server-side rendering and 75% faster load times.
- Implemented Selenium test scripts ensuring 100% pass rate across regression cycles
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Quiz Application (MERN Stack)

MongoDB, Express, React, Node.js
- Designed an interactive quiz system supporting multiple categories and real-time scoring.

Student Patrol - Android Emergency App

Java, Firebase
- Launched a safety-focused emergency app for over 2,000 university students using Firebase for live alert systems.

Stock Price Predictor

Python, LSTM, RNN
- Achieved 87% forecast accuracy by building a time-series model using LSTM to predict stock movements.

EDUCATION

M.S., Computer and Information Science

University of Texas at Arlington – Dec 2023
Relevant Coursework: Big Data, Intelligent Systems, Advanced Software Engineering

B.Tech., Computer Science and Engineering

C.V.R. College of Engineering, JNTUH, Hyderabad – May 2019