

Jaswanth Yadla

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EXPERIENCE

Software Engineer

Q9 Software LLC

Charlotte, NC

July 2023 – Present

- Architected RESTful APIs with Java and Spring Boot, boosting response speed by **30%** over SOAP APIs and reducing endpoint errors by 25%. Documented APIs with **Swagger** for improved integration.
- Configured **Single Sign-On** and token-based authentication using **AWS IAM** to streamline user login across all internal tools.
- Designed CI/CD pipelines utilizing **Jenkins** to automate build, test, and deployment processes and orchestrated **Docker containers** using Kubernetes in collaboration with DevOps teams, reducing infrastructure costs by **40%**.
- Implemented **Kafka** for real-time data streaming, enhanced data ingestion efficiency by **35%** for seamless microservice integration.
- Conducted 30 PR reviews, managed **7 releases**, and facilitated knowledge transfers to ensure quick onboarding of new team members.

Application Programmer

University of North Carolina at Charlotte

Charlotte, NC

May 2022 – May 2023

- Spearheaded the migration of UNCC's legacy Syllabus application from Servlets and JSP to a Spring Boot **microservices architecture**.
- Leveraged **Spring Data JPA** for database interactions and Spring Security with OAuth2 for authentication, leading to a 40% improvement in data retrieval speeds and enhanced security for over 5,000 faculty and admin staff.
- Optimized cloud infrastructure by implementing **AWS S3** for scalable file storage and **RDS** for managed databases, achieving a 30% reduction in storage costs and a **25%** boost in database performance.

Associate Software Engineer

Cake Zone

Chennai, India

Jan 2020 – Dec 2021

- Developed a responsive **Angular** application using Bootstrap and Angular Material, enhancing user interface and overall experience through seamless backend communication with JSON.
- Integrated secure **third-party payment gateway APIs** using Java and Spring Boot to facilitate secure and seamless payment transactions, providing customers with various payment options and thus improving checkout efficiency by **30%**.
- Incorporated and refined **Test-Driven Development (TDD)** practices, employing **JUnit** and Mockito to systematically reduce post-release issues by 20%, ensuring code reliability.
- Utilized **SQL Profiler** for troubleshooting, monitoring, and optimizing SQL Server databases, non-production code, and TSQL, identified and resolved **20+** performance bottlenecks, leading to a 32% improvement in query execution times.
- Actively participated in **Agile** and Scrum, contributing to sprints, stand-ups, and maintained task updates on **Jira** for streamlined tracking.

PROJECTS

Smart Contact Manager Application | Java, Spring Boot, OAuth2, Thymeleaf, PostgreSQL

- Developed a contact management app with Spring Boot, **PostgreSQL**, Cloudinary, and Thymeleaf, featuring **OAuth2** authentication, CRUD operations on contacts, and email integration, reducing setup time by 40%.
- Employed **Spring Security** for route protection and optimized contact search functionality using **OpenSearch**, boosting data retrieval efficiency by 40%, and enabled data export to CSV format.

Monolithic Quiz Application | Java, Spring MVC, MySQL, Postman, Git

- Engineered a monolithic Java-based Quiz application with Spring Boot, MySQL, and **Spring Data JPA**, enabling user participation, response submission, instant scoring, and efficient data management.
- Created RESTful API endpoints adhering to **Spring MVC** architecture for quiz generation, question retrieval, and user response management. Rigorously validated using **Postman**, resulting in **25%** improved API response times.

SKILLS & CERTIFICATIONS

Certifications: AWS Academy Graduate - AWS Academy Data Analytics. [Link](#)

Languages: Java, C, C++, Python, JavaScript, HTML, CSS.

Technologies & Frameworks: AJAX, JSP, Spring MVC, JSON, Hibernate, React, Node JS, Spring Boot, JUnit, OAuth, Angular, Git.

Databases & Cloud Technologies: MySQL, MongoDB, SQL Server, AWS (EC2, S3, SQS, IAM, Lambda).

Tools & Data Libraries: IntelliJ IDE, GitHub, Postman, Bitbucket, Jira, Maven, Zendesk, NumPy, pandas, Scikit-learn, Matplotlib.

EDUCATION

University of North Carolina at Charlotte

Master of Science in Computer Science

Charlotte, NC

May 2023

Anna University

Bachelor of Engineering in Computer Science

Chennai, India

September 2020

Published paper on “Sentiment Analysis using Logistic Regression” in European journal of molecular and clinical medicine. [Link](#)