



NIKHITHA KONDA

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PROFESSIONAL SUMMARY

Software Engineer with 6 years of experience building cloud-native, full-stack, and enterprise SaaS applications that scale to thousands of users. Skilled across both backend and frontend, with expertise in Java 17, Spring Boot 3.0, REST APIs, microservices, Oracle PL/SQL (19c), and enterprise integrations, as well as frontend development with Angular, JavaScript, and TypeScript to deliver intuitive, user-friendly interfaces. Experienced in AWS (EC2, RDS, S3) and DevOps practices, including CI/CD automation, Docker, and Kubernetes, ensuring secure, high-performance deployments. Adept at database design and optimization, debugging complex systems, and collaborating in Agile environments. AWS Certified Solutions Architect – Associate.

PROFESSIONAL EXPERIENCE

Delta Dental INS

September 2024 - Present

Senior Software Engineer

Alpharetta, GA (Remote)

- Designed and implemented highly scalable REST APIs Java, Spring Boot, and Hibernate, within a microservices-based architecture supporting scalable broker and partner modules. Designed and delivered full-stack features across backend and frontend using Java, Spring Boot, React, and Angular, collaborating with architects on solution design and ensuring compliance with enterprise security standards.
- Implemented dynamic access controls and permission logics, supporting complex UI behavior without modifying database schemas. Diagnosed and resolved performance bottlenecks by analyzing heap dumps, thread dumps, and logs, improving application speed and reliability.
- Championed code quality and engineering excellence by conducting peer reviews, identifying architectural improvements, and mentoring junior engineers on clean code practices, resulting in a more maintainable codebase and reduced defect rates.
- Led the migration of enterprise CI/CD pipelines from Jenkins to GitHub Actions, designing scalable workflows that improved deployment reliability and reduced release times by 40%, while mentoring team members on adoption and best practices.
- Took full ownership of production support, collaborating with stakeholders and QA to deliver secure, stable, and feature-rich application updates.

Equifax, India

April 2021 - August 2022

Full Stack Developer

- Created web application 'Flight Management System' using Java, Spring Boot, Spring MVC, RestAPI implementing responsive and secure front-end interfaces with HTML, CSS, JavaScript, Typescript, Angular, React during my training period.
- Responsible for maintaining tickets that clients raise and fixes them. Designing, coding, debugging, testing, and deploying software programs and applications for Equifax and its clients that meets end-user requirements and specifications. Implemented solutions fixes for the existing modules, resulting in 80% reduction in the total number of bugs.
- Automated the continuous integration, testing, and deployment processes for the application utilizing Jenkins, Docker, and AWS CloudFormation, ensuring deployment to highly scalable EC2 instances.
- Successfully merged existing features into a unified solution, resulting in significant savings in time, cost, and resources.
- Established server & client-side infrastructure, along with DB configuration, within AWS environment for new clients. Refactored & optimized the existing code base to perform better under heavy traffic. Implemented automated CI/CD processes for the application utilizing Jenkins, Docker, AWS, successfully deploying to scalable EC2 instances.
- Have Received Helping Hand award for providing extensive support for a record time at Capgemini.

Amazon, India

November 2020 – April 2021

Quality Associate (Catalogue)

This meticulous approach ensured seamless functionality and high-quality code before deployment, enhancing the application's stability and reliability

- Performed manual and automated testing of web applications, ensuring compliance with functional requirements and Amazon's quality standards.
- Developed and executed detailed test plans, test cases, and test scripts to validate new and existing features.
- Coordinated with cross-functional teams (development, product management, and UX) to verify fixes and ensure seamless product releases.
- Examined the product catalogue to detect and remove duplicate entries, maintaining data accuracy and integrity.
- Tested and validated Python scripts used for automated catalogue updates and data-processing workflows.

JB Incorporated, India

January 2018 – November 2020

Software Engineer

- Spearheaded the development of the front-end application using JavaScript (ES6+), HTML5, and CSS3, focusing on responsive design and user accessibility. Integrated React.js into the project to modularize components and streamline interactions between the front-end and back-end via RESTful APIs.

- Developed reusable UI components (e.g., form fields, tables, modals), reducing code duplication and accelerating new feature delivery by 30%. Managed complex state using React Context API and optimized rendering with React. Memo and dynamic imports to improve performance.
- Authored 100+ unit and integration tests using Mocha, Chai, increasing front-end test coverage from 40% to 85%. Mocked API responses and user events to validate edge-case behavior and prevent regressions in core components.
- Conducted detailed debugging and code reviews, identifying memory leaks, re-rendering issues, and suggesting performance improvements. Reduced page weight by 35% by optimizing assets, compressing images, and minimizing third-party script usage.
- Created internal documentation for component usage and best practices, improving onboarding time for new developers. Delivered stable, production-ready front-end releases through comprehensive manual smoke testing and CI validations.
- Collaborated with QA and backend engineers to quickly resolve staging bugs and avoid critical failures in production.

PROJECTS

Developer Productivity Analytics Platform:

Tech Stack: Java, Springboot, Hibernate, RestAPI, SQL, JS, Angular, Html, CSS, React.js, PostgreSQL, Redis, Prometheus, GitHub Actions, Docker

- Built a full-stack dashboard to track developer productivity using GitHub, Jira, and CI/CD data. Created Spring Boot APIs to process commit and ticket activity, with a React.js UI for visualizing DORA metrics.
- Used Redis for caching, Prometheus for monitoring pipeline health, and GitHub Actions for CI/CD tracking. Deployed using Docker in a cloud-ready setup.

Smart API Gateway with Rate Limiting and Logging:

Tech Stack: Java, Spring Boot, Redis, JWT, PostgreSQL, Prometheus, Docker, AWS

- Developed a secure API gateway to manage user authentication, rate limiting, and traffic logging. Implemented JWT-based access control and Redis-backed request throttling.
- Logged request data to PostgreSQL and exposed metrics through Prometheus. Dockerized the service and made it cloud-deployable via AWS.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript (ES6+), TypeScript, Node.js, SQL/PLSQL, C++

Frontend Technologies: HTML, CSS, JavaScript, TypeScript, React.js, Angular, Bootstrap, jQuery, WebSockets

Backend & Frameworks: Spring Boot, Spring MVC, Hibernate, Express.js, REST API, Oracle ADF, JWT Auth, Microservices Architecture

Database & Storage: Oracle, MySQL, PostgreSQL, DynamoDB, Amazon S3

Testing & QA: JUnit, Mockito, Mocha, Chai, Espresso, Selenium, Postman, SoapUI

Cloud & DevOps Tools: AWS (EC2, S3, Lambda, CloudFormation, SES, EventBridge), Azure DevOps (Basics), GitHub Actions, Jenkins, Docker, Kubernetes, Git, Maven

Messaging & Distributed Systems: Kafka, Redis

Application Servers: Tomcat, WebLogic

Scripting & OS: Unix/Linux Shell Scripting (Bash, Korn), Windows Batch

Monitoring & Observability: Prometheus, Datadog, Splunk, CloudWatch

CI/CD & Automation: GitHub Actions, Jenkins Pipelines, Docker Compose, YAML workflows

APIs & Integration: RESTful APIs, Swagger/OpenAPI, WSDL, OAuth2, Slack API, AWS SDK

Tools & IDEs: VS Code, IntelliJ IDEA, Eclipse, Oracle Developer, Putty, WinSCP, Postman, Jira, Confluence, ServiceNow

Version Control & Collaboration: Git, GitHub, GitLab, Bitbucket, GitFlow, Jira, Notion

Other Technical Skills: Agile/Scrum Methodologies, DORA Metrics, Heap/Thread Dump Analysis, JVM Tuning, Log Analysis, API Rate Limiting, Data Parsing, Metadata-Driven Design, API Gateway Development, Session Tracking

EDUCATION

Masters, Computer Science (GPA – 3.8/4)

University of Central Florida, Oviedo, FL

Certifications: AWS certification – AWS Certified Solutions Architect - Associate

AWARDS

- Received multiple **Step-Up** Awards at Delta Dental for excellence, trust, and innovation, recognizing my contributions to security hardening, and collaborative delivery of broker portal enhancements. These awards reflect strong ownership, cross-functional teamwork, and impact on enterprise application quality and performance.
- Received Helping Hand award for providing extensive support for a record time at Equifax(Capgemini)