

# NIKHIL YAKKALA

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## Summary

Software Engineer with over 4 years of experience building scalable, cloud-native applications across fintech, SaaS, and enterprise domains. Skilled in Java, Spring Boot, AWS, and microservices architecture, with hands-on experience in both backend and frontend development. Proficient in DevOps practices including Docker, Kubernetes, Terraform, and CI/CD automation. Strong focus on performance, reliability, and secure design, with a track record of collaborating across teams to deliver robust solutions in Agile environments.

## Experience

Software Engineer  
Kofax Inc.

07/2024 to Current  
USA

- Developed core features for a cloud-native SaaS platform handling 5,000–8,000 daily transactions, contributing to <1s response times and >99.5% uptime.
- Contributed to the design and development of 4+ microservices using Spring Boot and deployed via AWS EKS, with integrations to 3rd-party APIs for data ingestion and processing.
- Assisted in setting up a containerized and event-driven architecture using Docker, Kubernetes, and AWS SNS/SQS, improving system scalability and async workflows.
- Built frontend components using React for a customer dashboard, implemented authentication with AWS Cognito and JWT, enabling secure access and real-time status monitoring.
- Collaborated with DevOps to define IAM roles, configure VPCs, and apply basic encryption strategies (KMS, TLS) for ensuring application security and environment isolation.
- Integrated Grafana dashboards with CloudWatch and Prometheus metrics to improve visibility and alerting, helping reduce incident resolution time during peak usage.
- Created Jenkins/GitHub Actions-based CI/CD pipelines to streamline deployments and manage infrastructure using Terraform, improving release frequency and rollback safety.
- Advocated for code quality by adopting TDD in critical components and doing regular code reviews, which improved team-wide defect detection and onboarding of new devs.
- Improved backend performance using Kafka for asynchronous tasks and Redis caching, leading to better throughput during peak loads.

Software Engineer DXC  
Technology

08/2021 to 06/2022  
Chennai, India

- Built and maintained RESTful APIs in Java using Spring MVC for customer profile and order history modules, enabling seamless interaction with the front-end systems.
- Migrated legacy modules to Spring Boot, improving modularity and simplifying configuration management.
- Improved response time by integrating simple in-memory caching strategies using Redis for frequently accessed user profile data.
- Contributed to breaking down monolithic components into Spring Boot-based services to support gradual transition to microservices.
- Designed and implemented microservices architecture using Java and Spring Cloud, ensuring scalability, flexibility, and fault tolerance.
- Participated in CI/CD setup using Jenkins and Docker for automated testing and deployment to test/staging environments.
- Worked closely with QA and front-end teams during sprints to debug integration issues and ensure end-to-end stability.
- Attended sprint ceremonies, reviewed peer PRs, and raised Jira tickets for performance issues and API inconsistencies.

Software Engineer  
OneCard

08/2019 to 07/2021  
India

- Contributed to various phases of the SDLC including requirement understanding, design discussions, implementation, and deployment for modules in OneCard’s customer-facing platform.
- Developed responsive UIs using HTML5, CSS3, and Angular 4, enhancing the user experience for core features like card activation and transaction history.
- Leveraged Angular’s two-way data binding and form validation features to simplify user input flows, leading to fewer form validation issues and better sign-up completion rates.
- Used Java 8 features such as Streams, Lambdas, and Optionals to write cleaner and more concise code, improving maintainability of microservices involved in transaction processing.
- Wrote unit and integration tests using JUnit and Mockito to improve test coverage and reliability of core modules like card transactions and statements.
- Assisted in setting up Kafka Connect integrations to sync transaction data between services and storage systems, supporting near-real-time processing for analytics and monitoring.
- Participated in improving CI/CD pipelines by contributing scripts and checks for validation during deployments, helping reduce rollback incidents during production releases.
- Set up basic API monitoring using tools like Prometheus/Grafana (or your tool), helping detect latency issues early and reduce manual escalations.
- Took part in optimizing existing APIs by identifying bottlenecks and proposing changes in queries or caching strategies, resulting in faster response times for key user actions.

## Skills

- Programming Languages:** Java, SQL, JavaScript, Python
  - Front-End Technologies:** HTML, CSS, SASS, JavaScript, TypeScript, AJAX, JSON
  - Frameworks:** Angular, ReactJS, Bootstrap
  - Back-End Technologies:** Spring Framework, Spring Boot, Hibernate RESTful APIs, Servlets, Java Server Pages (JSP)
  - Database Management:** SQL Server, MySQL, PostgreSQL, MongoDB, JDBC
  - Version Control:** Git, GitHub
  - Development Tools:** Maven, Gradle
  - Testing Frameworks:** JUnit, Mockito
- DevOps Practices:** Jenkins, Docker, Kubernetes
  - Cloud Services:** AWS, Azure
  - Web Security:** JWT, OAuth
  - Microservices Architecture:** Microservices design and implementation
  - Performance Tuning:** Application performance analysis and optimization
  - Agile Methodologies:** Agile practices in software development
  - Soft Skills:** Problem-solving, effective communication, teamwork

## Education

Master of Science: Computer Science  
DePaul University

06/2024  
Chicago, IL

Bachelor of Technology: Computer Science  
Geethanjali College of Engineering and Technology

06/2021  
Hyderabad, India