

MITALI CHIVATE

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SUMMARY

Software Engineer with 5+ years of experience designing and delivering enterprise applications, microservices, and cloud-native solutions across the Java and Spring ecosystem. Skilled in building RESTful and event-driven services with Kafka, deploying on AWS using Docker and Kubernetes, and applying AI tools such as the OpenAI API, GitHub Copilot, and Cursor to raise engineering productivity. Comfortable working across Go and full-stack JavaScript, with a track record of shipping secure, high-performance systems in Agile teams.

PROFESSIONAL EXPERIENCE

Software Engineer <i>Cotiviti</i> <i>Charlotte, NC</i>	Sep 2024 – Present
- Engineered scalable enterprise features in Java and Spring Boot, improving performance and reliability across business-critical systems, with front-end components built in React. - Built event-driven microservices integrating Kafka and relational databases, enabling secure, high-throughput data processing on AWS. - Automated cloud-native deployments using Docker, Kubernetes, and CI/CD pipelines (GitHub Actions and Jenkins), cutting release time and improving deployment reliability. - Accelerated delivery by pairing OpenAI APIs, GitHub Copilot, Cursor AI, and ChatGPT for automated testing, code review, and documentation within an Agile/Scrum workflow.	
Graduate Assistant <i>University of North Carolina Charlotte</i> <i>Charlotte, NC</i>	Jan 2023 – May 2024
- Designed and maintained backend services and RESTful APIs in Java, implementing business logic that improved efficiency of academic and administrative systems. - Optimized PostgreSQL queries and relational schemas, preserving data integrity across large-scale research and reporting workloads. - Automated data-processing workflows and adopted AI-assisted tooling (GitHub Copilot, ChatGPT) to raise code quality and development speed.	
Software Engineer <i>Brillio</i> <i>India</i>	Jun 2021 – Jul 2022
- Modernized legacy platforms into React, TypeScript, and Spring Boot microservices, reducing page latency and enabling reuse across product teams. - Delivered 12+ production-grade REST and GraphQL APIs using Java 11/17, supporting 5,000+ daily transactions at sub-100ms latency in a distributed banking environment. - Orchestrated asynchronous workflows with AWS SNS/SQS, improving fault isolation and simplifying cross-service recovery. - Strengthened platform stability through idempotency controls, timeout strategies, and standardized error contracts for downstream integrations. - Redesigned Oracle joins and stored procedures, eliminating recurring bottlenecks and reclaiming 6+ engineering hours per sprint. - Scaled CI/CD automation with Jenkins, Git, Maven, and Terraform, cutting 8+ hours of weekly manual release effort. - Built end-to-end analytics pipelines across Snowflake, BigQuery, Redshift, and Databricks, uncovering \$50M+ in financial exposure through Tableau and Power BI dashboards. - Established a test-automation ecosystem using Selenium, JUnit, and Mockito, running 500+ regression cases per build to strengthen release confidence.	
Software Analyst <i>Capgemini</i> <i>India</i>	Nov 2020 – Jun 2021
- Improved page-load performance through targeted front-end and backend optimization initiatives. - Automated release workflows, reducing operational toil and manual effort in the deployment process. - Implemented dynamic UI components for live updates and personalization, driving higher user engagement. - Partnered with senior developers and cross-functional teams to test features, resolve defects, and document changes across the SDLC.	
Software Developer <i>FncallBack Technologies</i> <i>India</i>	Oct 2019 – Oct 2020
- Developed enterprise web applications using Java 8, Spring MVC, Hibernate, JPA, and JDBC, implementing secure and maintainable backend services. - Built responsive interfaces with React.js, JavaScript, HTML5, CSS3, and Bootstrap, integrating REST endpoints and enhancing UX across desktop and mobile.	

PROJECTS

Healthcare Claims Intelligence Platform — <i>Java, Spring Boot, AWS, Kafka, React, PostgreSQL, Docker</i>
- Designed a cloud-native claims-management platform enabling secure processing of provider and member data. - Built RESTful microservices with Kafka-based asynchronous messaging and optimized SQL queries, speeding up claims processing.
AI-Powered Clinical Knowledge Assistant — <i>OpenAI API, LangChain, Spring Boot, AWS, React</i>
- Built an AI assistant using the OpenAI API and LangChain to deliver context-aware answers from clinical knowledge sources, cutting manual lookup time by 40%. - Implemented secure endpoints with response caching and deployed the solution on AWS for scalable, reliable performance.

TECHNICAL SKILLS

Languages: Java, Go (Golang), Python, JavaScript, TypeScript, SQL, Bash
Frontend: React.js, HTML5, CSS3, Dash
Backend & Frameworks: Spring Boot, Node.js, Express.js, FastAPI, Flask, GraphQL
Databases & Data Platforms: PostgreSQL, Oracle, Snowflake, BigQuery, Amazon Redshift, NoSQL
Cloud & DevOps: AWS (ECS, SNS, SQS), Docker, Kubernetes, Terraform, GitHub Actions, Jenkins, CI/CD
Data Engineering & Analytics: ETL Pipelines, Databricks, Redis, Tableau, Power BI, Data Modeling
Machine Learning & AI: OpenAI API, LangChain, FAISS, RAG Systems, Cross-Encoder Reranking, MMR Search
Testing & Tools: Selenium, JUnit, Mockito, Git, Maven
Core Concepts: Microservices Architecture, Distributed Systems, Multithreading, System Design, JWT Authentication
Methodologies: Agile, Scrum, SDLC

EDUCATION

University of North Carolina Charlotte — Charlotte, NC, USA
<i>Master of Science in Computer Science</i> Aug 2022 – May 2024
Savitribai Phule Pune University — Pune, Maharashtra, India
<i>Bachelor of Engineering – Information Technology</i> Aug 2016 – May 2020

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Java Microservices with Spring Boot and Spring Cloud
- Jenkins Essentials