

MANAS NAIDU

San Francisco, California

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Summary

Java Full Stack Developer with 5 years of experience designing and optimizing scalable microservices and web applications across finance, healthcare, and e-commerce. Skilled in Java (8–17), Spring Boot, REST APIs, and cloud platforms (AWS, Azure), with strong expertise in CI/CD automation, security, and testing. Proven record of improving system performance, reducing onboarding errors, and delivering resilient event-driven architectures with Kafka and RabbitMQ. Versatile engineer with additional experience in front-end development (React, Angular), mentoring junior developers, and integrating AI/ML models as value-add for automation and analytics.

Education

University of Cincinnati

Master of Science in Computer Science

OH, USA

Certifications

- Oracle Certified: Professional Java SE 11 Developer

Experience

JPMorgan Chase & Co.

May 2024 – Present

Java Full Stack Developer

New York, US

- **Financial Transactions & Risk Intelligence Platform** – Engineered scalable microservices and dashboards to power digital onboarding, transaction tracking, and fraud detection for enterprise banking operations.
- Developed Java 17/Spring Boot REST APIs for payment reconciliations and digital onboarding, improving system reliability and reducing onboarding errors by **20%**.
- Built React dashboards to visualize real-time fraud alerts, financial events, and portfolio performance, enabling faster incident response by compliance teams.
- Owned the CI/CD pipeline automation initiative, collaborating with DevOps and security teams to standardize deployments across multiple applications.
- Integrated AWS services (Lambda, S3, DynamoDB) for serverless processing and event-driven workflows, reducing infrastructure costs and improving scalability.
- Optimized React dashboard performance and reduced page load times by **20%**, improving usability and adoption among compliance and risk management teams.
- Collaborated with ML engineers to deploy AWS SageMaker-based credit risk scoring models, enhancing loan decision workflows and lowering false-positive rates in fraud detection.
- Designed Kafka and Amazon SQS messaging pipelines to ensure resilient processing of high-volume payment events and audit logs.
- Optimized PostgreSQL schemas and queries, cutting report generation time by **40%** for internal financial reporting tools.
- Automated CI/CD pipelines with Jenkins, GitHub Actions, and AWS CodePipeline, reducing release cycle time by **35%**.
- Maintained compliance and stability of banking APIs through comprehensive testing (JUnit, Selenium, Postman) and close alignment with regulatory standards.

Atrium Health

Apr 2023 – Apr 2024

Software Engineer - Java

Charlotte, NC

- **Real-Time Patient Monitoring & EHR Integration Platform** – Designed and implemented secure, event-driven microservices to enable patient scheduling, medication order workflows, and seamless EHR interoperability across clinical systems.
- Developed HL7/FHIR-compliant REST APIs that connected EMR systems with patient-facing mobile apps, enabling faster and more accurate data sharing across providers and improving patient engagement.
- Built Kafka-based streaming pipelines to deliver real-time alerts (lab results, vitals, medication errors) to provider dashboards, reducing average response time to critical events by **25%**.
- Integrated AWS SageMaker predictive models for disease risk scoring (e.g., heart failure, diabetes), improving clinical decision support and helping physicians provide proactive care.

- Implemented Spring Security with OAuth2/JWT for HIPAA-compliant access control, ensuring the secure handling of sensitive patient data across all services.
- Acted as a key point of contact between clinicians and engineering teams, translating healthcare requirements into secure technical solutions.
- Automated ETL pipelines in Python to transform unstructured clinical notes for NLP models, increasing predictive analytics accuracy by **15%**.
- Maintained high code quality with **90%+ test coverage** (JUnit 5, Mockito, Postman), strengthening reliability of patient-critical applications.
- Led CI/CD automation with Azure DevOps, reducing deployment cycles from days to hours and improving release frequency by **40%**.

Flipkart

Mar 2020 – July 2022

Associate Java Developer

Hyderabad, Telangana

- **E-Commerce Order & Personalization Platform** – Contributed to the design and scaling of core cart, order processing, and returns systems powering millions of daily transactions across Flipkart's marketplace.
- Developed and optimized Java 11/Spring Boot microservices for cart and checkout workflows, improving system throughput and reducing cart latency by **30%** during seasonal sales.
- Integrated ML-driven recommendation engine APIs to personalize product suggestions, increasing conversion rates across multiple user segments by **12%**.
- Built responsive JSP/HTML5/JavaScript components for cart and checkout flows, improving page responsiveness and enhancing customer experience, which contributed to a **15% increase in successful checkouts during peak traffic**.
- Collaborated with Data Science teams to consume Kubernetes-hosted ML outputs for dynamic pricing and inventory reordering, reducing stockouts and overstock incidents.
- Built real-time messaging and synchronization between distributed services using Kafka and RabbitMQ, ensuring reliable order and inventory updates under peak traffic.
- Enhanced PostgreSQL query performance for large datasets, improving average query response times by **25%**.
- Mentored 2 junior developers on Java and Spring Boot best practices, conducting code reviews that improved overall code quality and reduced bugs in production.
- Implemented regression and load testing (JUnit, Selenium, JMeter) to validate scalability of high-traffic e-commerce systems, supporting events like Big Billion Days.
- Actively participated in Agile ceremonies and code reviews, contributing to iterative feature delivery and alignment with product and AI experimentation cycles.

Technical Skills

Backend: Java (8, 11, 17), Spring Boot, Spring Security, Hibernate, REST APIs, Node.js, Express.js

Frontend: React, Angular, TypeScript, JavaScript, JSP, HTML5, CSS3

Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, DynamoDB, SQS, SageMaker), Azure (DevOps, ADF, App Services, Blob Storage), Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, CodePipeline, Git, AKS

Databases & Messaging: PostgreSQL, MongoDB, Redshift, Apache Kafka, RabbitMQ, Amazon SQS, Hazelcast

Testing: JUnit, Mockito, Postman, Selenium, JMeter, PyTest, Mocha, Chai, Jasmine, Karma

Monitoring: Azure Monitor, New Relic, Splunk

ML/AI Integration: AWS SageMaker, Python (Pandas, NumPy, Scikit-learn), NLP, AI model integration via REST APIs

Methodologies: Agile/Scrum, CI/CD Pipelines, HIPAA & HL7/FHIR Standards