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PROFESSIONAL SUMMARY

Results-oriented Java Full Stack Developer with 2+ years of experience building high-scale enterprise applications in the Banking and Payments domain. Strong background in designing resilient, multi-threaded microservices and responsive React frontends meeting 99.9% SLA requirements. Experienced in integrating Generative AI solutions including LLMs, Retrieval-Augmented Generation (RAG), LangChain, and vector databases into production systems to enable intelligent search, failure analysis, and decision support. Proven ability to optimize system performance, implement observability-first architectures, and streamline CI/CD pipelines to deliver reliable, business-aligned solutions in Agile environments.

TECHNICAL SKILLS

Programming Languages:
Java, JavaScript, Python, C, C++
Databases & Data Modeling:
Relational Databases(PostgreSQL, MySQL, Microsoft SQL server, SQLite), NoSQL Databases(Cassandra), SQL, Oracle, Data Modeling and Database Management
Backend Development:
Spring Boot, Spring MVC, Spring Data JPA, Hibernate, JDBC, RESTful APIs, Web Services(SOAP/REST), JSON, XML, Microservices Architecture, Tomcat
Frontend Development:
React, Redux, HTML, CSS, Ant Design, Tailwind CSS, Angular
Cloud, DevOps & Architecture:
AWS(EC2, S3, RDS, IAM), Docker, Kubernetes, Jenkins, CI/CD Pipelines, Linux
Testing & Quality Engineering:
JUnit, Mockito, Test-Driven Development(TDD), Behaviour-Driven Development(Cucumber, Karate - API tesing exposure), Postman
Architecture & Software Practices:
Data Structures & Algorithms, Low-Level Design(LLD), SOLID Principles, Clean code, MVC, DTO, System Design(Foundational), Agile/SDLC
Collaboration and Delivery:
Requirement Analysis & Gathering, Sprint Planning, JIRA, Code Reviews & Technical Documentation, Stakeholder Communication
Generative AI and Intelligent Systems: Large Language Models(LLMs), Retrieval-Augumented Generation(RAG), LangChain, Vector Databases(FAISS,Pinecone), Embedding, Semantic Search, Prompt Engineering, AI-powered Workflow Automation.

PROFESSIONAL EXPERIENCE

National Payments Corporation of India | Hyderabad, Telangana - 500032
Associate Software Developer **September 2023 - Present**

- Identified opportunity for automation and optimization for RuPay products fee calculation using Spring Boot and Kafka, reducing manual errors by 90% in business operations.
- Built an intuitive React dashboard for business teams to configure and track fee rules, improving turnaround time and autonomy.
- Integrated Kafka-based architecture for asynchronous, multi-threaded event processing, improving system scalability, resiliency and adherence to defined SLAs for transaction processing.
- Set up CI/CD pipelines with GitHub Actions, reducing deployment time by 70% and enabling smooth releases to on-premises servers.

- Delivered the system end-to-end from scratch, achieving 100%-unit test coverage using JUnit and Jest, and developed reusable components adopted by 3+ internal projects.
- Received "**Well Done**" award for end-to-end ownership and successful delivery of the project, covering design, development, testing and production deployment.

KEY PROJECTS

Task Scheduler System

Tech Stack: *Spring Boot, Quartz, PostgreSQL, React, Ant Design, Docker, Kafka, LLMs, RAG, LangChain, FAISS/Pinecone*

- Built a distributed job scheduling platform using Quartz with dynamic CRON expressions, persistent job metadata, and fault-tolerant retry policies.
- Designed event-driven execution pipelines using Kafka to support asynchronous job workflows and VM-to-VM data transfers.
- Developed a real-time operations dashboard using React and Ant Design for job life-cycle management, execution monitoring and system health visualization.
- Implemented an AI-driven job failure analysis system using Retrieval-Augmented Generation (RAG) to analyze execution logs, retrieve similar historical failures, and generate root-cause insights and remediation suggestions via LLMs.
- Enabled semantic search over job executions and logs, allowing operators to query failures using natural language instead of manual filtering.
- Applied observability-first and cloud-ready design with Prometheus, Grafana, Docker, and automated testing using JUnit and React Testing Library.

Log Microservice System

Tech Stack: *Spring Boot, Kafka, PostgreSQL, REST, ELK Stack*

- Led Technical design of a centralized logging microservice to support distributed systems, ensuring scalability and future extensibility.
- Built a dedicated log micro-service to receive and store logs from distributed services via REST and Kafka.
- Designed endpoints for structured log ingestion and retrieval with filtering, pagination, and timestamp-based search.
- Integrated with Apache Kafka to support real-time asynchronous logging from multiple micro-services.
- Ensured quality improvement through validation of log schemes, exception handling and consistent log formats across services.

EDUCATION

Bachelor of Technology - Computer Science

JNTU College of Engineering | 2018-2022