Dixita Mendpara

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PROFESSIONAL SUMMARY

Software Engineer with 4 years of experience in designing and deploying high-performance, scalable backend and frontend applications. Expertise in **Java, React.js, and distributed systems (AWS)**, with a focus on **microservices, cloud architecture**, and performance optimization. Delivered 25-30% efficiency gains through automation, CI/CD pipelines, and **scalable API design**. Proven ability to **collaborate** cross-functionally and deliver robust, user-centric solutions.

WORK EXPERIENCE

Software Developer II, BA Gold Enterprises Inc. | New York, NY   *Feb 2024 – Present*

- Spearheaded end-to-end development of a scalable jewelry e-commerce platform using **Java**, **React.js**, and **Spring Boot**, enabling 10k+ monthly transactions and reducing manual order processing time by 75% via automated inventory/payment workflows.
- Optimized performance of slow **SQL** queries via query plan analysis and composite indexing, reducing latency by 40% for daily users.
- Assembled the build, test, and deployment pipeline for a Java application using **Jenkins**, reducing deployment lead time by 35%.
- Developed a robust reporting tool using **Python** and **Pandas** to process 1,000 daily data entries, reducing manual handling time by 8 hours a week, allowing the team to focus on higher-value tasks.

Software Developer, Finlogic Technologies | India   *Dec 2020 – Dec 2021*

- Architected 12+ **AWS**-based **microservices** (**Java**, **SQS**, **EC2**) to streamline real-time policy updates for 15k+ daily users, reducing API latency by 30% and achieving 99.95% uptime through auto-scaling and circuit-breaker patterns.
- Utilized **GraphQL** APIs to combine 6+ REST endpoints into a single query, increasing API efficiency by reducing payload size by 200 KB, which decreased front-end load time by 60%, improving user experience.
- Reduced policy update delays from 1 minute to near real-time (20s) using **Redis** caching, improving agent productivity by 25%.

Software Developer, Shukul Infotech | India   *Jun 2019 – Nov 2020*

- Implemented 15+ asynchronous message queues using **RabbitMQ** to decouple high-volume updates, reducing system downtime by 85% and enabling real-time monitoring via **AWS CloudWatch**.
- Improved search latency by 2 seconds by implementing **Elasticsearch**, achieving 90% query accuracy across 5k+ daily searches.
- Engineered **MongoDB**, **SQL** Server databases to handle 500k+ policy records, optimizing batch insert/update operations with Spring Batch and reducing transaction latency by 55%.
- Containerized the application using **Docker** and orchestrated via **Kubernetes**, achieving zero-downtime deployments and reducing **AWS** hosting costs by 20% through resource optimization.
- **Mentored** 4 junior developers on **Agile process development** and coding best practices, improving code review efficiency.
- Led the **CRM development** with a 3-member team, reducing client onboarding time by 73% and earning Employee of the Month for delivering the project 2 months ahead of schedule.

PROJECTS

Portfolio Management Web Application   *Jan 2019 – Nov 2021*

- Developed and integrated 30+ **RESTful API** endpoints using Spring Boot handle 13k+ daily transactions, reducing latency by 38% through caching (Redis) and connection pooling.
- Utilized **React.js** for the frontend, **Java** and **MongoDB** for the **REST APIs** and backend, and deployed it on **Apache Tomcat**.

Multi-Tier Insurance Management System   *May 2023 – Dec 2023*

- Designed and deployed scalable **microservices** using **Spring Boot**, **Docker**, and **Kubernetes**, reducing application memory footprint by 300MB and improving system responsiveness by 1.5 seconds.
- Built a React-based admin dashboard with role-based access controls (**OAuth 2.0**), enabling real-time policy management for 6k+ users and cutting manual approval time by 35%.

EDUCATION

Georgia Institute of Technology (Online/Part-time)   *Aug 2024 – Dec 2026*
MS in Computer Science

Gujarat Technological University   *Aug 2015 - Apr 2019*
BS in Information Technology

TECHNICAL SKILLS

Programming Language: Java, Python, SQL, JavaScript, C++, HTML, CSS, jQuery, Ajax, JSON, XML, TypeScript, RESTful API
Frameworks: Spring Boot, Spring MVC, React.js, Redux, GraphQL, Node.js, OAuth 2.0, Material UI, Django
Database: MySQL, PostgreSQL, MongoDB, Oracle, Firebase
Tools: AWS, Jenkins, Docker, Kubernetes, SOAP UI, Git, GitHub, Swagger UI, RabbitMQ, Mockito, Junit