

Sejal Jain Salecha

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LinkedIn GitHub Portfolio

Education

University of Missouri-Kansas City

Master of Science in Computer Science; GPA: 3.67

Missouri, USA

August 2022 – May 2024

Technical Skills

Languages: Java, JavaScript, TypeScript, Python, MySQL, HTML5, CSS3, JSON/YAML

Frameworks: Spring Boot, Spring Cloud, Resilience4j, Hibernate, Microservices, REST APIs, JUnit, Maven

Cloud & DevOps: AWS (S3, RDS, Lambda, CloudWatch, API Gateway), CI/CD, GitLab, Jenkins, Docker, Kibana

Certifications: AWS Certified Solutions Architect - Associate (2024), Forage - AWS Solutions Architecture (2024)

Experience

Verizon

July 2024 – Present

Java Developer

Dallas, Texas

- Engineered service resiliency by implementing Resilience4j circuit breakers, preventing cascading failures during downstream outages and maintaining 99.9% API availability.
- Configured fallback mechanisms and retry policies for 9+ retail APIs, ensuring graceful degradation of services and a seamless user experience during intermittent network latency.
- Developed 15+ retail APIs using Spring Boot; tuned Hibernate connection pools and utilized Java CompletableFuture for asynchronous request handling, reducing P95 API latency by 20%.
- Decoupled high-traffic data flows via AWS SQS to buffer peak 5G traffic spikes, ensuring order persistence and eventual consistency during backend service downtime.
- Automated GitLab CI/CD pipelines using Docker to containerize services, eliminating environment-specific bugs and reducing production deployment failure rates by 45%.
- Built a suite of automated validation mocks to simulate external vendor responses, achieving 98%+ test coverage and catching edge-case null pointers before staging.

Sodexo

July 2023 – January 2024

Technical Systems Assistant

Kansas City, Missouri

- Managed daily POS system synchronization, manually reconciling database discrepancies between the local terminal and the centralized digital sales records.
- Troubleshoot front-end terminal connectivity and hardware-to-network synchronization issues, ensuring zero downtime for digital payment processing during peak operating hours.

Tata Consultancy Services

June 2021 – July 2022

Java Developer

Hyderabad, India

- Modernized a monolithic Spring Boot app by migrating heavy compute tasks to AWS Lambda, allowing the main system to maintain sub-150ms P95 latency under 1M+ daily requests.
- Reduced monthly RDS costs by 25% by identifying and removing unused MySQL indices and moving static media assets to AWS S3 buckets.
- Built Kibana monitoring dashboards for real-time log analysis, allowing the team to identify and fix 5XX errors 50% faster than using manual log searches.
- Implemented OAuth2/JWT security filters to secure microservice endpoints, ensuring only authenticated traffic could access sensitive customer billing data.

Vignan University

January 2021 – May 2021

Java Developer Intern

Vadlamudi, India

- Converted a paper-based data entry system into a TypeScript/Bootstrap dashboard, eliminating 10+ hours of manual weekly data entry for university staff.
- Redesigned MySQL tables to follow 3rd Normal Form (3NF), which eliminated data duplication and sped up complex reporting queries by 50%.

Projects

AI-Powered WordPress Automation | Python, GPT-4, DALL-E, WordPress API

2024

- Automated end-to-end blog creation pipeline, reducing manual effort by 90% and increasing publishing speed by 3x using GPT-4 for articles and DALL-E for images.

Scam Website Detection Bot | Python, Google Search API, MySQL, Twitter API

2023

- Built a real-time detection system that identified 1,000+ suspicious sites, elevating user safety via automated Twitter alerts and 24/7 interface monitoring.