SAINADHA REDDY PENUGONDA

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SUMMARY

Full-Stack Java Developer with 4+ years of experience building high-scale Java 8–17, Spring Boot REST APIs, microservices, and distributed backend systems. Strong expertise in developing Account Utility & Backoffice workflows, real-time data pipelines, and event-driven architectures using Kafka. Skilled in designing scalable services with NoSQL databases including Cassandra, DynamoDB, and MongoDB, focusing on efficient data modeling, partitioning, and high-throughput reads/writes. Experienced in performance, reliability, and resilience testing using BlazeMeter, JUnit, Mockito, and familiar with TrueCD and FMEA validation workflows. Adept at debugging production issues, optimizing latency, and delivering resilient systems. Proven ability to collaborate with UI, QA, and DevOps teams to ship end-to-end solutions in fast-paced Agile environments.

TECHNICAL SKILLS

- **Languages:** Java 8–17, JavaScript, TypeScript, Python, SQL
- **Frameworks:** Spring Boot, Spring MVC, REST APIs, Microservices, Express.js, React
- **Distributed Systems:** Kafka, SQS/SNS, Event-Driven Architecture
- **Databases:** Cassandra, MongoDB, DynamoDB, PostgreSQL, MySQL
- **Testing:** JUnit, Mockito, BlazeMeter, Postman, Cypress, Jest, Selenium, FMEA workflows
- **DevOps & Cloud:** Docker, Kubernetes, Jenkins, GitHub Actions, AWS (Lambda, ECS/EKS, API Gateway), GCP
- **Other:** CI/CD, Multithreading, Performance Tuning, Resilience Engineering, SDLC/Agile

EXPERIENCE

Evernorth Health Services — Jun 2025 - Present
Full Stack Developer — *Remote*

- Developed and maintained Java 17/Spring Boot REST APIs supporting enterprise clinical and backoffice workflows.
- Built real-time data ingestion pipelines using Kafka for high-volume asynchronous processing.
- Implemented scalable data-access services using Cassandra, DynamoDB, and MongoDB, optimizing queries for low-latency reads.
- Conducted performance and load testing using BlazeMeter, functional testing with JUnit/Mockito, and contributed to FMEA-style validation.
- Collaborated with UI teams integrating React and backend APIs; supported DevOps with CI/CD, Docker, Kubernetes deployments.
- Performed production debugging, root-cause analysis, and built resilience improvements including retry logic, circuit breakers, and backpressure handling.
- Played a key role in Agile ceremonies, backlog grooming, and cross-team integration efforts.

University of Cincinnati — Jan 2024 - Jun 2025
Software Engineer — *Cincinnati, OH*

- Developed Spring Boot microservices and backend APIs powering enterprise workflow automation and student platforms.
- Designed NoSQL and relational schemas, optimized queries, and tuned database connections for high-scale workloads.
- Integrated event-driven features using Kafka, SQS/SNS, and internal streaming mechanisms.
- Built automated testing pipelines using JUnit, Cypress, Postman, and contributed to performance scripts.
- Implemented CI/CD workloads using Docker, Helm, and GKE, improving deployment reliability and throughput.

Cognizant Technology Solutions — Mar 2022 - Aug 2023
Programmer Analyst Trainee — *Hyderabad, IN*

- Built Java/Spring Boot, Node.js, and React microservices for enterprise SaaS workloads deployed on AWS ECS/EKS.
- Implemented object-oriented modules, API-driven data flows, multithreading, event-handlers, and async processing.
- Enhanced system monitoring and observability with OpenTelemetry, ELK, Dynatrace for debugging and latency analysis.
- Performed performance tuning (JVM GC, SQL query optimization, thread pools, load balancing).
- Added automated testing (JUnit, Jest, Postman) and contributed to Agile ceremonies and code review processes.

Squaricle Intelli Solutions — Jan 2021 - Feb 2022
Web Developer — *Remote*

- Built backend APIs using Java, Spring Boot, MySQL, and DynamoDB.
- Developed React UI modules consuming REST APIs with modular component design.
- Implemented Dockerized deployments, AWS ECS rollouts, and reliability improvements using automated test suites.

EDUCATION

University of Cincinnati — Aug 2023 - Dec 2024
M.S., Information Technology

- **GPA:** 3.9/4.0