

TUSHAR VYAVAHARE

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PROFESSIONAL SUMMARY

Backend-focused software developer with 2+ years of experience building high-performance, scalable microservices using **Java, Spring Boot, Kafka, and Redis**. Sound knowledge of **multithreading & concurrency**, performance tuning, and caching strategies. Proven track record of reducing latency and optimizing system reliability in production fintech environment. Possess strong ability to collaborate with cross-functional teams and well versed with agile methodologies.

SKILLS

- Backend:** Java (8/11/17), Python, Spring boot, Microservices, Kafka, Rabbit MQ, Redis, JPA/Hibernate, Prometheus, Grafana, Elasticsearch, Splunk, Shell scripting
- Frontend:** Angular, Typescript, HTML 5, CSS 3
- Databases:** Oracle DB, PostgreSQL, MySQL, MongoDB
- Testing and DevOps:** Junit 5, Mockito, Postman, JMeter, CheckMarx, Docker, Gitlab CI/CD, Kubernetes
- Core Concepts:** DSA, OOP, SOLID principles, Design Patterns, Multithreading & Concurrency
- Platforms & Tools:** Windows, Linux, AWS(EC2,ECS,EB,ELB,S3,Lambda,RDS), Git, GitLab, Gerrit, Maven, Eclipse, VS code

WORK EXPERIENCE

Member Technical (SWE) | Broadridge

Hyderabad, India

Java, Spring Boot, Angular, Microservices, scripting automation

2023-03 - 2025-06

- Microservices Architecture:** Built and optimized scalable **RESTful APIs** using Spring Boot, improving API throughput and system reliability for an application handling **~500,000+** financial transactions daily.
- Security & Auth:** Designed secure RESTful APIs implementing **OAuth2 + JWT** flows and enterprise **SSO**.
- Observability Pipeline:** Integrated a **Kafka + Splunk** log streaming pipeline, processing **1M+** events per day.
- Testing & Quality:** Developed reusable **JUnit 5 + Mockito** test suites achieving **85%+** code coverage, ensuring robust validation for multi-scenario edge cases.
- Performance Tuning:** Improved backend performance through optimized caching, concurrency management, and **SQL** query refinement.
- Agile Development:** Collaborated in **Agile sprints**, conducted **code reviews**, and applied **SOLID** and clean code principles.

PROJECTS

Trade Processing & Reporting Portal | Java, Spring Boot, Angular, Oracle DB, Git, Prometheus, Grafana

- Contributed to trade processing and routing microservice, processing over **500+** transactions data **concurrently**.
- Streamlined a file-status microservice querying **Oracle DB + Redis**, reducing data retrieval latency by **~40%**.
- Optimized **JPA/Hibernate** queries and introduced DTOs; implemented per-user **caching** improving dashboard loading by **25%**.
- Engineered **Event-Streaming** service for remote script execution flow, reducing failure detection time by **~70%**.
- Integrated **Redis-based** HTTP caching for static data, reducing overall service latency by **~65%**.
- Accelerated **CI/CD** by cutting **Docker** image build time **30%** and runtime image size **45%**.

Self-Service Portal | Java, Spring Boot, JWT, Redis, Angular, Git, Elastic Search, Kafka

- Developed a **Distributed Search API** backed by **Elasticsearch + Redis**, cutting combined complex query latency by **~45%**.
- Architected **Oracle AQ** based alerting service that triggered actionable emails upon failures, reducing manual monitoring intervention by **~75%**.
- Engineered a secure **PDF streaming** microservice using **Red Hat Ceph**, enabling inline rendering and secure downloads without local storage overhead.
- Refactored a **recursive** process generating algorithm into a **Dynamic Programming** approach with **multi-threading** improving process building performance by **~50%**.
- Upgraded disaster recovery routing components for aligning with **BCP** standards, ensuring **99.9%** availability

EDUCATION

Sri Indu College of Engineering Technology, Sheriguda

Hyderabad, India

B. Tech, Computer Science and Engineering, CGPA: 7.6/10

2018-07 - 2022-08

ACHIEVEMENTS

NIIT Java Full Stack Development Certification

Broadridge Star Performer Award

Verzeo Web Development Internship

Broadridge Ace Award