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, Python, Spring boot, Microservices, Restful APIs, Kafka, Rabbit MQ, Redis, JPA/Hibernate, Prometheus, Grafana, Elasticsearch, Resilience4j, Shell scripting
- **Frontend:** Angular, Typescript, HTML 5, CSS 3
- **Databases:** Oracle DB, IBM DB2, MySQL, MongoDB
- **Testing and DevOps:** Junit 5, Mockito, Postman, JMeter, Jasmine, CheckMarx, Docker, Gitlab CI/CD, ELK, Splunk
- **Core Concepts:** DSA, OOP, SOLID principles, Design Patterns, Multithreading & Concurrency
- **Platforms & Tools:** Windows, Linux, AWS, 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 **Redis** 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**.
- Engineered 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%**.
- Worked on **Event-Streaming** Automation system via JSch for remote execution, 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%.**
- Upgraded disaster recovery routing components for aligning with **BCP** standards, ensuring **99.9%** availability

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%.**
- Refactored a **recursive** process generating algorithm into a **Dynamic Programming** approach with **multi-threading** improving process building performance by ~**50%.**
- Built a secure **PDF streaming** microservice using **Red Hat Ceph**, enabling inline rendering and secure downloads without local storage overhead.
- Implemented an **Oracle AQ**-based alerting service that triggered actionable emails upon DB changes, reducing manual monitoring intervention by ~**75%.**
- Designed and developed a reporting service to run remote scripts through JSch, streaming output JSON into **Elasticsearch** improving observability and speeding report generation **40%.**

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