Prasad Sawool

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PROFESSIONAL SUMMARY

Experienced Software Engineer with 3+ years developing scalable microservices and high-performance applications. Proven expertise in designing fault-tolerant systems using Kafka and Spring Boot, with demonstrated success in optimizing systems for 400K+ daily users. Strong background in both backend architecture and frontend development, with a track record of improving system performance by up to 70% and reducing latency by 20%.

EXPERIENCE

Jio — Navi Mumbai, India
Software Engineer — *Sep 2022 – Present*

- Architected and maintained microservices for JioMart e-commerce platform serving 400K+ daily active users, implementing caching strategies and query optimizations that reduced average response times by 20% and increased throughput by 50%
- Engineered fault-tolerant event-driven systems using Apache Kafka for real-time data processing, enabling 2x increase in daily processing load with zero performance degradation
- Redesigned backend data pipelines for near real-time synchronization across internal platforms, achieving 70% improvement in data freshness and 10x throughput enhancement
- Developed React-based finance portal frontend integrating multiple banking services, improving UI responsiveness by 40% and user engagement by 30%
- Implemented containerization with Docker and Kubernetes, reducing system downtime by 30% and improving deployment efficiency across distributed environments
- Integrated third-party payment and inventory systems with 99.9% uptime, ensuring seamless transaction processing for high-volume e-commerce operations

EDUCATION

K. J. Somaiya Institute of Engineering and Information Technology — Mumbai, India
Bachelor of Technology in Electronics Engineering — *Jul 2017 – May 2022*

TECHNICAL SKILLS

- **Languages:** Java, Kotlin, JavaScript, SQL, Python, Lua
- **Backend:** Spring Boot, REST APIs, Microservices, Apache Kafka, Node.js
- **Frontend:** ReactJS, Material UI, Jio Design System
- **Databases:** MySQL, Oracle, PostgreSQL
- **DevOps & Tools:** Docker, Kubernetes, CI/CD, Git, Linux
- **Cloud & Monitoring:** Performance monitoring, Distributed systems, Event-driven architecture

ACCOMPLISHMENTS

- **Jio Certified Project Manager Foundation (2023):** Achieved top 5% performance among all program participants, demonstrating leadership and project management excellence
- **Late Namrata Bhagat Award (2019):** Recognized for exceptional performance in Big Data internship at Widyaarjan LLP, highlighting early technical excellence

OPEN SOURCE COMMUNITY

- **FOSS United Mumbai:** Active organizer and speaker at monthly meetups (2023-2025), promoting open-source technologies and knowledge sharing in the developer community
- **MUMBAIFOSS 2.0:** Volunteer at flagship open-source conference held at IIT Bombay, contributing to community building and technical education