SUBHAM PANDA

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PROFILE SUMMARY

Results-driven Software Engineer with nearly 3 years of experience in building scalable enterprise applications and microservices using Java, Spring Boot, and Kafka. Proven ability to deliver high-performance systems with a strong focus on quality and continuous improvement.

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEER (PAYTM)   Feb 2025 – Present

- Architected and delivered an enterprise marketing **automation platform** processing 100K+ customer lifecycle events monthly, reducing manual campaign setup time by 60% and enabling real-time personalized communications across multiple channels (Email, SMS, WhatsApp).
- Built a **fault-tolerant workflow orchestration engine** using Temporal.io and Kafka, achieving 99.9% uptime while executing 2K+ daily workflows with automatic retry mechanisms and distributed tracing for end-to-end observability.
- Designed **scalable microservices** architecture leveraging Spring Boot, implementing Strategy and Observer design patterns for multi-channel communication handlers, resulting in 30% reduction in code duplication and seamless addition of new channels without core logic changes.
- **Improved system performance by 30%** by implementing **Redis distributed caching** and optimizing event routing, reducing API response times from 800ms to 280ms and significantly enhancing overall system responsiveness.
- Engineered a media management system with **AWS S3** integration supporting multi-format uploads (images, videos, documents), implementing Factory pattern for file processors and achieving 99.99% file retrieval success rate with CDN integration.

SOFTWARE ENGINEER (QUICKTOUCH TECHNOLOGIES LIMITED)   May 2023 – Feb 2025

- Contributed to the **development of ERP platform**, a cloud-based School ERP platform used by **3,500+ schools**, by collaborating closely with cross-functional teams.
- Designed and implemented a **recruitment portal** enabling job creation with **category-based fee concessions** and allowing applicants to apply and track application status, streamlining the hiring workflow.
- **Integrated WhatsApp across core modules** to deliver real-time notifications and automated updates, improving information dissemination and driving a **25% increase in user engagement** and responsiveness.

PROJECTS

Quick Campus – Unified EdTech Marketplace

- Built an all-in-one platform that integrates academic, administrative, and communication workflows for modern educational institutions.
- Delivered a comprehensive EdTech marketplace offering tools and solutions tailored to diverse school needs and goals.
- Created a connected ecosystem enabling students, parents, schools, and vendors to access and exchange educational resources in one place.

SKILLS & OTHER

Languages:	Java, JavaScript
Frameworks & Technologies:	Spring Boot, Spring MVC, Spring Security, REST APIs, Microservices, Kafka
Databases:	MySQL, Postgres, Redis
Tools & Platforms:	Postman, Grafana, Bitbucket, Jenkins, CI/CD, Vault, Git/GitHub, IntelliJ, Jira, AWS
Other Skills:	Data Structures & Algorithms (DSA), Object–Oriented Programming (OOP), System Design, Multithreading, Concurrency

EDUCATION

Bhubaneswar Engineering College	Bhubaneswar
Bachelor of Technology (B.Tech)	Aug 2019 - May 2022
Masai School	Bangalore
Full Stack Web Development	May 2022 - Mar 2023