VIVEK DONGARE

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Software Development Engineer with hands-on experience in building scalable, high-performance microservices and distributed systems. Currently contributing to production-grade systems at **Zoho Corporation**.

EXPERIENCE & INTERNSHIPS

Software Developer
Zoho Corporation   - visit

📅 July 2023 - present   📍 Chennai, India

- Led design and development of an **Invisible Text Watermarking Platform** for *Zoho Mail* (used by **100M+** active users), architecting Spring Boot + Kafka microservices handling **500k+ daily requests** with OCR and ONNX-powered encoding, decoding, and traceability workflows.
- Built a scalable AWS-hosted image processing pipeline integrating **S3**, **PostgreSQL**, and **Kafka-driven** async workflows, reducing media processing latency by **45%** and scaling to handle **5k+ concurrent users**.
- Optimized microservice configs and backend thread pools to improve throughput by **35%** under peak load; enhanced platform observability with ELK & Prometheus dashboards.
- Developed an **Aho-Corasick Trie Algo**-based **PII Detection Engine** with checksum validation and OCR context scoring, processing **75k+ docs/day** with a **70% faster** detection speed compared to legacy systems.
- Implemented enterprise **PII Scanning Pipelines** for *Zoho WorkDrive* (serving **7.5M+** active users) and *PlatformAI*, automating pre-LLM data sanitization with **98% precision** aligned to **Microsoft DLP** policies.
- Delivered on-prem DLP solution for **NIC (Gov of India)**, integrating compliance-driven redaction workflows with government ICT systems.
- Mentored interns, conducted PR reviews, enforced Java 8/OOP best practices, and streamlined CI/CD pipelines ensuring seamless daily deployments.
- **Tech Stack** - Java, Spring Boot, PostgreSQL, Kafka, Docker, AWS **Project Demo** - Text Watermarking , ZPII

Project Trainee

📅 Feb 2023 - July 2023   📍 Chennai, India

- Contributed to developing a cloud-native internal operations dashboard, enhancing user workflows with modular architecture.
- Resolved **50+ bugs** and implemented support for 2 log collection sources in a cloud-based **SIEM** solution, enhancing data integration capabilities.

Backend Developer Intern
Shop Bonanza   - visit

📅 Jul 2021 - Oct 2021   📍 Dehradun, India

- Revamped the backend of the E-Commerce platform web app, improved performance of the web app by implementing Scalable techniques. Link- shopBonanza.in
- Contributed to a Magento extension for tracking customer activity and products information on E-commerce websites.

EDUCATION

B.E. in Electronics & Power
Government College of Engineering Nagpur

📅 2019 - 2023   📍 Nagpur, India

CGPA : **8.68**

PROJECTS

StreamMyMeal 🎧 -Live

- Developed a full-stack food delivery platform from scratch with real-time order tracking and chef **livestreams** to ensure hygiene transparency.
- Architected distributed microservices (users, orders, payments, delivery) using Spring Boot; integrated **WebRTC**-based video streaming per restaurant with **SFU + WebSocket** for low-latency, scalable playback.
- Built a **Kafka**-based event system for async workflows, powering notifications and real-time inventory sync.
- Integrated **gRPC** and **REST APIs** for inter-service communication and backward compatibility.
- Implemented **Redis**-based session caching and rate-limiting alongside **Resilience4j** (circuit breakers, retries) and health checks to ensure high throughput and fault tolerance.
- Deployed on **AWS** using Kubernetes with Helm, with CI/CD pipelines via GitHub Actions and full **observability** through Prometheus & Grafana.
- **Tech Stack:** Java, Spring Boot, Kafka, Redis, PostgreSQL, gRPC, Docker, Kubernetes, AWS

FamilyBank 🎧 -Live

- Built a modular goal-based banking system with Spring Boot microservices for budgeting, investments & goal planning.
- Designed event-driven workflows using **Kafka** for real-time transaction, goal tracking, and savings automation.
- Developed an **AI insights** service for spending **anomaly detection** and savings forecasting via **gRPC**.
- **Tech Stack:** Java, Spring Boot, Kafka, PostgreSQL, Redis, gRPC, Docker, Kubernetes, Keycloak

SKILLS

- **Languages:** Java 8/17, SQL, C, Bash, TypeScript
- **Frameworks/Libs:** Spring, Spring Boot, Hibernate, Resilience4j, React, Typescript, Next.js
- **Architecture & Patterns:** Microservices, REST, gRPC, Event-driven, Domain-driven Design, Kafka, RabbitMQ
- **Databases:** PostgreSQL, Redis
- **Cloud/DevOps:** Docker, Kubernetes, Helm, AWS, Jenkins
- **Concepts:** Object-Oriented Programming, Data Structures, Algorithms, Version Control, Design Patterns
- **Developer Tools:** Git, Maven, GithHub Copilot, Locust, Linux

ACHIEVEMENTS

- Solved **800+** DSA problems (500+ LeetCode, 250+ GFG).
- Ranked **Top 5** coder from college on GeeksforGeeks.
- Got an Appreciations on Excellence of work in Techfest's Tech Team of Adhyaaya 2020.
- Conducted peer DSA sessions as part of college coding club.