Omkar Pawar – Backend Developer – 3+ yrs experience

**Mobile:** 7715950254 **| Social**: [LinkedIn](https://www.linkedin.com/in/opwebdev/), [GitHub](https://github.com/omkarp02) **| Email**: [opwebdev01@gmail.com](mailto:opwebdev01@gmail.com) **| Portfolio**: [pawaromkar.in](https://www.pawaromkar.in/)

**SKILLS**

**Languages**: Java, Javascript, Typescript, Golang, HTML, CSS  **Database:** MongoDB, PostgreSQL

**Skills & Tools:** Spring Boot, Node.js, Nest.js React.js, Next.js, Express.js, Hibernate, Kafka, Redis, Operating System, DSA

**Cloud & DevOps:** AWS (EC2, ECS, EKS, Lambda, S3, SNS, SQS), Docker, Kubernetes, CI/CD (GitHub Actions)

**WORK EXPERIENCE**

# Fynd (via Programming) July 2024 – Present

# Software Engineer Maharashtra

 Developed a fault-tolerant **daily batch pipeline handling 1M data/day** to validate orders and generate loyalty points, introduced batching, parallel workers, and backoff/retry strategies which reduced manual failures by 15%.

 Designed and implemented a real-time **chat application supporting 4K+ concurrent users** using WebSockets with Redis Pub/Sub, enabling multi-device sync, data persistence during network loss, less than 200ms latency.

 Automated document ingestion from SharePoint using Azure Fn (cron) to parse PDFs, Excel, CSV, and text files, **indexing 50K+ records into Azure AI Search** with vector embeddings to enable semantic and AI-powered search.

 Engineered a high-performance **data table library capable of efficiently handling millions of rows**, with advanced features including filtering, sorting, column visibility, and centralized state management.

 Java, Node.js, Express.js, Typescript, MongoDB, React.js, Kafka, Socket.io, AWS (EC2, S3, SQS, Lambda).

# Iorta Technology Solutions May 2023 – June 2024

# Software Engineer Maharashtra

 Revamped a legacy insurance **monolith application into a scalable microservices architecture using Nx,** introducing new features, improving scalability, reducing build times by 40%, and shortening development cycle time by 30%.

 Implemented **CI/CD pipelines using GitHub Actions** for a monorepo, automating microservices deployment to AWS EKS with rolling updates, reducing deployment time by 60% and increasing release frequency from weekly to daily with zero downtime.

 Built an auto-scaling PDF generation service on AWS **processing 1K+ daily documents via SQS**, consumed by Docker workers on ECS, added retries, DLQs, and monitoring to cut failures by 95% and enable near real-time generation.

 Built an end-to-end insurance onboarding flow with eKYC (Aadhaar/PAN), document upload and validation, automated proposal PDF generation, and data workflow from QC (with re-upload for invalid details) to underwriter.

 Java, Node.js, Nest.js, Kubernetes, Kafka, Github Actions, Typescript, React.js, AWS (ECR, EKR, Lambda, S3, SNS, SQS)

# Code B Solutions Pvt Ltd July 2022 – May 2023

# Software Engineer Maharashtra

 Automated **video processing for 100+ courses using S3-triggered Lambda + MediaConvert,** reduced manual video preparation time by 90% and enabled smooth multi-resolution streaming for learners.

 Secured application authentication by integrating AWS Cognito OAuth2, JWT (with refresh token flow), and RBAC — reducing **unauthorized access incidents by 90%** and ensuring compliance with security best practices.

 Built **a fully drag-and-drop form builder** and event planner, managing state across the lifecycle with configurable fields, UI styling, inter-field dependencies, multi-form support, and flexible validation for scalable form creation.

 Led the development of 5 high-impact projects in 9 months, improving client productivity by 25%.

 Java, Express.js, Node.js, Spring Boot, PostgreSQL, Redis, Docker, Next.js, AWS (ECS, EC2, Lambda, S3, SQS, VPC)

**EDUCATION**

**BSC in Computer Science**, V.K Krishna Menon College - CGPA 8.7

**INITIATIVES AND PROJECTS**

 **WYSE - Clothing Brand** - Developed a full-stack clothing e-commerce platform as a freelance project, with features like product search, category filters, wish-list add to cart an admin dashboard **you can check out the website** [here](https://wyse-shop.vercel.app/).