

ANISH KUMAR A

Software Engineer | Backend, Full-Stack, Mobile & Real-Time IoT Systems

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PROFESSIONAL SUMMARY

Accomplished Full-stack Software Engineer with over 2.5 years of experience in architecting and deploying scalable production systems. Expert in building robust backend microservices using Node.js and Python (FastAPI/Django), coupled with responsive frontends in React and cross-platform mobile applications in Flutter. Demonstrated success in leading the end-to-end development of diverse platforms, including e-commerce, EV charging networks, and real-time IoT telemetry pipelines (OCPP, MQTT, WebSocket). Proven ability to own the full SDLC—from initial API design and MVC architecture to containerized deployment with Docker. A collaborative professional experienced in Agile methodologies, technical mentorship, and delivering high-impact solutions for complex, data-intensive environments.

TECHNICAL SKILLS

Backend: Node.js, Express.js, FastAPI, Django, Python, TypeScript

Frontend & Mobile: React, Next.js, JavaScript, HTML, CSS, Bootstrap, AJAX, Flutter (Android & iOS), GetX

APIs & Integrations: REST API Design, Razorpay Integration, WhatsApp Notifications, Google Maps, Push Notifications, Third-party APIs

Architecture: Microservices, MVC Architecture, Service-Oriented Design

IoT & Real-Time: OCPP 1.6 (EV Charging), MQTT, TCP, WebSocket, Socket.IO, Real-time Telemetry

Databases: MongoDB (incl. Geo-spatial), MySQL, PostgreSQL, SQL Server, Redis

Messaging & Streaming: Kafka, RabbitMQ, Socket.IO

DevOps & Cloud: Docker, Git/GitHub, SVN, GitHub Actions, Kubernetes (Learning), AWS (EC2, S3, OpenSearch – Learning), Digital Ocean, Akamai

Practices: Agile/Scrum, Jira, Code Review, Documentation, Team Collaboration, Mentoring

PROFESSIONAL EXPERIENCE

Software Engineer | Outdid Unified Pvt Ltd, Bangalore, India

May 2024 – Present

- Engineered scalable backend, web, and mobile solutions, enhancing system capacity by [Insert Metric, e.g., 30%] for internal and client-facing applications.
- Collaborated cross-functionally to streamline project lifecycles, reducing time-to-market for key deliverables by [Insert Metric, e.g., 15%].
- Architected independent microservices and IoT pipelines, optimizing data processing speeds by [Insert Metric, e.g., 40%] using Docker-based deployments.
- Championed clean code standards and architectural patterns through technical mentorship, decreasing code review cycles by [Insert Metric, e.g., 20%].
- Optimized system reliability by identifying and resolving complex defects, resulting in a [Insert Metric, e.g., 25%] increase in user satisfaction scores.
- Established robust version control workflows using Git/GitHub, ensuring [Insert Metric, e.g., 99.9%] release integrity across collaborative teams.

KEY PROJECTS

E-Commerce Platform — Backend Developer (Microservices)

- Architected a high-performance microservices backend using Node.js and MongoDB, supporting a [Insert Metric, e.g., 50%] growth in concurrent users.

- Led the end-to-end development of critical services (Auth, Payments, Inventory), improving service modularity and reducing deployment downtime by [Insert Metric, e.g., 30%].
- Secured transaction workflows by integrating advanced payment validation, reducing failed transactions by [Insert Metric, e.g., 10%].
- Automated inventory and order tracking within the Admin Portal, increasing operational efficiency for administrators by [Insert Metric, e.g., 20%].

EVSE — Electric Vehicle Charging Platform

- Spearheaded the backend infrastructure for an EV charging network, facilitating [Insert Metric, e.g., 5,000+] successful charging sessions per month.
- Optimized real-time charger monitoring via OCPP 1.6J and WebSockets, reducing connectivity latency by [Insert Metric, e.g., 40%].
- Enhanced user experience by implementing wallet-based payments and Google Maps discovery, resulting in a [Insert Metric, e.g., 15%] lift in active users.

VTS — Vehicle Tracking System

- Developed a comprehensive VTS backend, enabling real-time management of [Insert Metric, e.g., 1,000+] fleet vehicles.
- Accelerated alert responsiveness by [Insert Metric, e.g., 50%] through the implementation of real-time Socket.io communication for live tracking.
- Boosted route analysis performance using optimized geo-spatial MongoDB queries, reducing query response times by [Insert Metric, e.g., 35%].

BMS — Battery Management System

- Delivered real-time BMS services that monitored battery health for [Insert Metric, e.g., 500+] EVs, ensuring 100% data accuracy.
- Minimized battery downtime by [Insert Metric, e.g., 20%] through the implementation of predictive fault detection and thermal alerts.
- Streamlined telemetry storage with scalable MongoDB schemas, allowing for [Insert Metric, e.g., 2x] faster analytics on charge cycles.

Water Purifier Mobile App — Flutter Developer

- Designed a cross-platform Flutter application that improved service booking conversion rates by [Insert Metric, e.g., 25%].
- Improved operational efficiency by [Insert Metric, e.g., 30%] through the integration of technician assignment and WhatsApp notification systems.

EDUCATION

Bachelor of Information Technology (B.Tech)

KGISL Institute of Technology — May 2024

Higher Secondary Certificate (HSC) — KV Institution, Coimbatore — March 2010

Secondary School Leaving Certificate (SSLC) — Sree Dharmasasthra Matric Higher Secondary School, Coimbatore — March 2018

LANGUAGES

Malayalam (Native) • Tamil (Intermediate) • English (Intermediate) • Kannada (Beginner)

DECLARATION

I hereby declare that the information provided above is true and accurate to the best of my knowledge and belief.

Anish Kumar A