

Manoj Gowda

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SUMMARY

Software Engineer (MERN + DevOps) with experience in building scalable IoT, fintech, and cloud solutions, skilled in React, Node.js, Express, MongoDB, PostgreSQL, Docker, AWS, and CI/CD pipelines

EXPERIENCE

Skoegle IOT Innovations Pvt Ltd

Software Engineer

January 2025 – Present, Bangalore

- Developed secure APIs for IoT hardware devices and client applications to collect location and hardware data, and built efficient client-side APIs for real-time data visualization and logging.
- Architected and implemented **Event-Driven Dynamic MQTT Delivery (EDDMD)** to eliminate wasted API calls and ensure instant updates across devices.
- Designed a scalable system capable of handling devices transmitting data at varying frequencies (every second, minute, or hour).
- Replicated the company's web application into a **cross-platform React Native app** for both Android and iOS.
- Deployed and scaled **VMarg (B2B IoT product)** on AWS EC2 with Docker and GitHub Actions CI/CD, integrating self-hosted MongoDB and PostgreSQL, supporting **100,000+ devices per instance daily**.

Software Engineer Intern

Trans-Fi India Pvt Ltd

June 2024 – December 2024, Remote

- Developed and automated a cron job** to fetch real-time cryptocurrency prices from multiple platforms (MetaMask, Melanaro, Binance, etc.), enabling dynamic price prediction, analysis, and updates.
- Designed and implemented REST APIs** for buy/sell pricing exchange, ensuring secure and efficient trading operations.
- Engineered a monitoring system** to detect active and inactive payment methods, optimizing the Transfi payment ecosystem and reducing downtime in transactions.

SKILLS

Programming Languages: HTML, CSS, JavaScript, TypeScript, Python

Frontend: React.js, Next.js, React Native

Backend: Node.js, Express.js, Next.js (Full Stack), Flask

Databases & ORM: MongoDB, PostgreSQL, MariaDB, **Sequelize ORM**

DevOps & Cloud: Git, GitHub, GitHub Actions, Docker, Docker Compose, AWS (EC2, S3, IAM, CloudFront), Kubernetes (Basics)

Platforms & Services: Vercel, Render, Supabase, Firebase, Twilio, Clerk

PROJECT

walletExpress

walletexpress.manojgowda.in

- Built a lightweight web application that **generates random dummy wallet addresses** for more than **10 cryptocurrencies**, tailored for **Web3 developers and testers**.
- Solved a real-world testing challenge at **Transfi**, becoming one of the most used and loved tools among testers for seamless wallet address generation in their workflows.
- Recognized as a practical weekend project that gained traction and is discoverable on Google under *“WalletExpress random”*.

Cobit (Personal Project – In Progress)

cobit.manojgowda.in/

- Designed and developed a platform to **store and reuse code snippets**, inspired by the need to easily re-implement reusable logic (e.g., Haversine formula for distance + map geofencing).
- Built with a **dual interface**:
 - 📱 **Web app** for managing and organizing snippets (beyond simple CRUD).
 - 📄 **Cobit CLI tool** (similar to GitHub CLI) that allows developers to **push, clone, and add snippets directly from the terminal**.
- Provides a streamlined way for developers to manage code snippets across projects, improving **productivity and reusability**.

SkoCloud (Android App + Web Application)

- Developed a **personal cloud storage solution** (similar to Google Drive) to securely **store, download, and retrieve files** including photos, videos, and documents.
- Initially created as a **personal project**, later **adopted by the company** through a web portal and replicated within my network for real-world use.
- Provided a **secure and scalable cloud system** with support for multi-format file handling, ensuring accessibility across Android and web platforms.

EDUCATION

CSE

AMC Engineering College

- Participated in inter-college project competitions**, building innovative projects such as **KissanBazaar** (a digital marketplace solution for farmers) and **Car Profile APIs** (vehicle data and management system).