

Krishna Praveen Korimilli

Software Developer

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Education

Indian Institute of Information Technology Senapati, Manipur

Nov. 2022 - May 2026

Bachelor of Technology in Electronics and Communication Engineering

Imphal, Manipur

Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, OOP, COA, Python, DeepLearning

Experience

Software Developer

Suvarnakar Software (Remote)

OCT 2025 - Present

- Built a **multi-tenant ERP and CRM system** for jewelry and retail businesses using **Django, PostgreSQL, React, and Next.js**, supporting inventory, billing, customer management, and order workflows.
- Designed and implemented **40+ REST APIs** with **JWT-based authentication** and role-based access control (RBAC) to ensure secure data isolation across multiple client organizations.
- Integrated **OpenAI, RAG pipelines, and LangChain** with **WhatsApp Business APIs** to build AI-powered agents that automate customer support, order queries, and lead follow-ups.
- Implemented **Redis-based caching and background task processing** to optimize frequently accessed data and handle asynchronous workflows such as message delivery, notifications, and AI jobs.
- Containerized and deployed production services using **Docker, Nginx, and AWS EC2**, setting up staging and production environments with environment-based configuration and CI/CD workflows.

Software Developer Intern

[Epilepto Systems \(Remote\)](#)

Jun 2025 - Sep 2025

- Developed features for **Dhyan App**, a meditation platform serving **1,000+ MAUs** with **4.2 rating** using React, Firebase, and Node.js.
- Engineered **3D meditation environments** with Three.js and GSAP, increasing session duration by **18%** and CTR by **12%**.
- Built an **image compression pipeline** (WebP conversion), reducing asset sizes by **55%** and page load times by **35%**.

Projects

[Paper Trading Platform](#) | *Next.js, TypeScript, PostgreSQL, TimescaleDB, Redis, WebSocket, Docker*

[Live](#) ↗

- Designed a **microservice-based backend** (API, WebSocket, data poller, frontend) using **Redis pub/sub** for real-time event distribution and **TimescaleDB** for time-series trade and price data.
- Implemented a margin trading engine supporting **up to 100x leverage**, real-time P&L and portfolio tracking, candlestick charts (**6 timeframes**), and live order book updates over WebSocket.

[Workflow Automation Platform](#) | *Next.js, React, TypeScript, PostgreSQL, Redis, Prisma, BullMQ, WebSocket, Docker*

[Live](#) ↗

- Built a full-stack workflow automation platform with a **visual drag-and-drop canvas** using **React Flow**, allowing users to connect **5+ trigger types** (webhook, manual, schedule, email) with action nodes.
- Designed a distributed workflow execution engine with **BullMQ** job queues and **Redis pub/sub**, supporting real-time node status updates via **WebSocket** and cron-based scheduled triggers with **node-cron**.
- Integrated **10+ third-party APIs** (Gmail, Telegram, OpenAI, Google Drive, Resend) with secure OAuth2 credential management, reducing workflow setup time by **60%** through reusable action nodes.

Technical Skills

- * **Programming Languages:** C++, TypeScript, JavaScript, Python, C
- * **Frontend:** React.js, Next.js, Tailwind CSS, ShadCN, Framer Motion
- * **Backend:** Node.js, Express.js, REST APIs, WebSockets, gRPC, tRPC, GraphQL, Celery, Cron Jobs
- * **Databases:** PostgreSQL, MySQL, MongoDB, Redis, SQLite
- * **DevOps & Cloud:** Docker, Docker Compose, Kubernetes, AWS, CI/CD, GitHub Actions, Linux, Nginx
- * **Tools:** Git, GitHub, Postman, Prisma, Inngest, Sentry

Achievements

- * **CodeChef 3 Stars**, LeetCode Rating: 1600+ - Solved **300+** problems across arrays, graphs, trees, DP, and greedy algorithms.
- * **Secured 2nd rank in the coding competition organized by AlgoUniversity at college level.**
- * **Ahouba 2.0 Hackathon Winner (3rd Rank)** - IIIT Manipur