Prajwal Dhatti

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Education

University of Visvesvaraya College of Engineering — Bengaluru, India
B.Tech in Electronics & Communication, CGPA 8.41 — *Dec. 2020 – June 2024*

Experience

CTO & Co-founder | Antcluster (antcluster.com) — *Feb 2026 – Present | Bengaluru, India*

- Co-founded Antcluster, an AI data-analytics SaaS that automatically builds a context and semantic layer over enterprise data, an Enterprise Knowledge Graph (EKG) that enables natural-language text-to-SQL analysis and surfaces hidden insights; lead architecture and engineering end-to-end as CTO.
- Architected and built the core backend (Python, FastAPI, SQLAlchemy, Alembic): EKG builder pipeline (introspect, profile, cluster, classify, synthesize, graph), text-to-SQL agent (intent routing, SQL candidate generation and voting), and sandboxed query execution across PostgreSQL, MySQL, SQLite and Snowflake connectors.
- Built the data layer on FalkorDB (graph), Qdrant (vector), Redis (SSE/queues) and PostgreSQL, with LLM agents (LangChain/LangGraph), embeddings (sentence-transformers) and PII detection (Microsoft Presidio); engineered the SaaS control plane (FastAPI and React license server, GCP Cloud KMS ES256 signing) and a Spider2-benchmarked DB-agent harness.

Application Developer | Param Network — *Jul 2024 – Jun 2026 | Bengaluru, India*

- Built the Control Tower, a high-concurrency, event-driven Go orchestration layer for Param Core, coordinating the end-to-end document pipeline: request intake, queue, Python (pandas) preprocessing/transformation, NATS KV cache, IPFS and RAFT consensus, block write, SyncFactory, MongoDB/PostgreSQL; added async acknowledgements to replace polling.
- Replaced legacy Node.js orchestration (0.5 docs/sec) with the Go, NATS and SyncFactory pipeline, reaching 840 blocks/sec on realistic benchmarks (about 1,680x throughput) under heavy data processing and transformation.
- Led frontend migration of Param Wallet (Hyperledger blockchain supply-chain platform) from class to functional React components; consolidated state with Redux and Context API; cut initial load from 15s to 5s for 200+ daily enterprise users.
- Built production UI for Param AI Studio: agentic operators, MCP connectors, RAG-enabled DB chat and RBAC; integrated Razorpay for enterprise monetization.
- Migrated the build from CRA/Webpack to RsBuild (Rspack), cutting build/deploy time from 25 minutes to 40 seconds with near-instant rollbacks.
- Architected an internal ticketing platform (React, Node.js, Express, MySQL) with RBAC, a Kafka notification pipeline and AI analytics dashboards.

Application Developer Intern | Param Network — *Jan 2024 – Jun 2024 | Bengaluru, India*

- Built ENN Dashboard (React, JavaScript, Material-UI) for user management and activity tracking; optimized MongoDB/DynamoDB queries for 200+ active users.

Frontend Engineer Intern | Intelliroot Technologies — *Jun 2023 – Dec 2023 | Bengaluru, India*

- Developed responsive UI for a cybersecurity awareness platform (React, JavaScript, CSS) across 5+ browsers/devices for 100+ users.

Open Source

- **UI-Engine** (GitHub): co-founded a React/TypeScript SaaS UI toolkit with production-ready components and theming.
- **LinksHub** (GitHub): contributed resource links and navigation improvements to a developer-resources hub (1k+ stars).
- **react-basic-rbac** (npm, MIT): published a lightweight Context API based role-based access control package for React.

Technical Skills

Languages: Python, Go, Java, JavaScript, TypeScript, SQL, HTML/CSS
Backend & Frameworks: FastAPI, Node.js, Express.js, NestJS, SQLAlchemy, Alembic
Frontend: React, Redux Toolkit, Next.js, Material-UI, TailwindCSS, Shadcn/UI
AI/ML & Data: LLM agents (LangChain/LangGraph), RAG, MCP, text-to-SQL, SQL parsing (sqlglot), embeddings, vector search (Qdrant), knowledge graphs (FalkorDB), pandas, NumPy, scikit-learn
Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, Redis, Snowflake, ClickHouse, Oracle, Elasticsearch, RocksDB
Distributed Systems: Kafka, NATS, RAFT consensus, IPFS, Hyperledger (blockchain), microservices, event-driven architecture
Tools & Cloud: Git, Docker, AWS, GCP, CI/CD, RsBuild (Rspack), Webpack, REST APIs