

NAWED IMROZE

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TECHNICAL SKILLS

Languages & Frameworks: C#, .NET Core, TypeScript, Node.js, JavaScript, Python, FastAPI, ASP.NET Core

Distributed Systems: Event-Driven Architecture, Domain-Driven Design, CQRS, Event Sourcing, Microservices

AI & Search: RAG, Graph RAG, Agentic RAG, Vector Embeddings, k-NN Search, Elasticsearch, MCP, Langfuse

Infrastructure: Docker, Kubernetes, Azure, AWS, Grafana, CI/CD, EventStoreDB, MongoDB, PostgreSQL, Redis, RabbitMQ

EXPERIENCE

Qapita Fintech

Hyderabad, India

Lead Software Development Engineer

Nov 2024 - Present

- o Architected **equity settlement platform** serving **2500+ clients** processing **\$120M+ annual transactions** and delivered **IPO-critical precision enhancement** with 6-12 digit precision ensuring zero financial loss
- o Co-architected **computation engine with configurable precision algorithms** and **NCalc expression evaluation**, enabling dynamic business logic without code deployment and reducing feature delivery time by **70%**
- o Built enterprise-grade **rule engine** with polymorphic condition expressions across equity instrument types (RSUs, ESOPs, SAFEs, warrants, phantom equity), reducing custom development effort by **80%** for new client onboarding

Qapita Fintech

Hyderabad, India

Senior Software Engineer

Oct 2022 - Oct 2024

- o Executed **zero-downtime migration** of millions of legacy domain events to new event-sourced architecture, maintaining **100% system availability** during 72-hour migration and ensuring complete data integrity
- o Rebuilt financial modules using **domain-driven architecture** to support multiple equity instrument types through configuration, reducing code complexity by **60%** and enabling rapid product iteration
- o Established comprehensive testing culture with **600+ automated tests** across all components, achieving **95% code coverage** and zero production incidents related to core financial calculations
- o Delivered critical enterprise customizations during high-pressure client acquisition phases, collaborating with C-suite executives to meet contract deadlines for **\$1M+ enterprise deals**

Dell Technologies

Hyderabad, India

Software Engineer 1 & Software Engineer 2

Jul 2020 - Oct 2022

- o Engineered **distributed file tracking system** achieving **sub-2-second search times** for **1000+ concurrent users** and architected **microservices consolidation** reducing operational overhead by **50%**
- o Developed **fault-tolerant Pub/Sub based data syncing service** reducing operational support tickets by **80%** through automated error recovery

PROJECTS

- **LifeOS: Personal AI Operating System** [Live in Production] - Production Telegram bot with **3 Claude ReAct agents** (Haiku router + Sonnet) via a self-hosted **MCP server**, coaching running, health tracking, and LeetCode accountability. Features: Strava + Apple Health webhook integration, **SM-2 spaced repetition**, vision-based screenshot parsing, two-stage stateless proposal system, and **Langfuse** per-tool observability — *Python, FastAPI, PostgreSQL, Claude API, MCP, Strava, Telegram*
- **AI RAG Search** - Hybrid search engine combining keyword and semantic search using vector embeddings for RAG-powered movie recommendations — *C#, .NET 8, Elasticsearch, OpenAI, Vector Embeddings* — [GitHub](#)
- **AntiDebt: Event-Sourced Financial Engine** - Event-sourced distributed ledger demonstrating CQRS, idempotency, and transactional outbox pattern with chaos testing — *C#, .NET 8, PostgreSQL, Docker* — [GitHub](#)
- **Distributed Key-Value Store with CAP Theorem Demonstration** - 3-node distributed system with AP/CP mode switching, network partition simulation, and observable trade-offs — *C#, ASP.NET Core, Docker, Prometheus* — [GitLab](#)

EDUCATION

IIIT Bhubaneswar

Bhubaneswar, India

Bachelor of Technology in Information Technology

2016 - 2020

ACHIEVEMENTS & RECOGNITION

- **Qapita Hackathon Winner** (2025): LLM-powered document analysis reducing onboarding time by **75%** (39 to 10 days)
- **Competitive Recognition:** 3rd Place - Dell CTF (2020), Winner - Dell Hack-to-Hire (2018), ACM-ICPC Asia Regionals (2017)