

SUMIT KUMAR RAVI

Software Engineer | Backend & AI Systems

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SUMMARY

Backend-focused Software Engineer and Technical Consultant experienced in building enterprise financial applications, REST APIs, microservices, integration workflows, and database-driven systems using **.NET, Java, Angular, MySQL, PostgreSQL, and Python**. Experienced in legacy modernization, performance optimization, deployments, and independently building full-stack applications, with growing exposure to AI/LLM systems and retrieval technologies.

TECHNICAL SKILLS

Languages: C#, Java, Python, SQL, TypeScript, JavaScript, Dart

Backend: .NET Framework 4.7, .NET 10, ASP.NET Core, Java 8/21, FastAPI, REST APIs, Microservices

Frontend: Angular, Flutter, GetX

Databases: MySQL, PostgreSQL, SQLAlchemy, Stored Procedures, Query Optimization, pgvector

Tools: Git, Docker, Linux, Nginx, systemd, GitHub Actions, Google Cloud Run, Firebase, SFTP

AI: LLM Integration, RAG, Embeddings, Vector Search, Ollama, Document Processing

PROFESSIONAL EXPERIENCE

FinIQ Consulting

Technical Consultant

Bengaluru, India

Jan 2025 – Present

- Develop and enhance enterprise **REST APIs and microservices** using **.NET Framework 4.7, .NET 10, Java 8/21, Angular, and MySQL** for financial deal-processing and integration workflows.
- Built APIs for **multi-deal JSON ingestion, order/deal cancellation, and fixing updates**, including an SFTP-based pipeline that automatically processes structured financial-product requests and invokes downstream deal-creation APIs.
- Enhanced an **email-driven Java service** that polls designated mailboxes, parses structured requests, converts data into **JSON/XML**, and initiates deal-processing workflows; migrated the service from **Java 8 to Java 21**.
- Modernized integration components by migrating **Schedule Generation and Internal Script Executor** from .NET Framework to .NET, correcting settlement-date logic, and enhancing API wrappers for legacy services.
- Optimized an **RFQ-per-hour dashboard from approximately 90 seconds to 45 seconds** by removing unnecessary SQL joins, improving indexed date filtering, and fixing broken initialization logic.
- Resolved database validation defects in **MySQL stored procedures**, implemented Angular/.NET/MySQL application functionality, and supported **SIT/UAT deployments, VM setup, and client-facing technical demonstrations**.

PROJECTS

AptiTutor / GameCat — Competitive Exam Practice Platform

Flutter / FastAPI / .NET / PostgreSQL

- Built a full-stack competitive-exam platform supporting daily question sets, attempts, streaks, rankings, statistics, and simulation-driven test configuration.
- Developed **FastAPI/PostgreSQL backend services** and a separate **ASP.NET Core simulation service**, with scheduled processing and Linux deployment using Nginx and systemd.

Nypunya — School Management Platform

Flutter / FastAPI / PostgreSQL / Firebase

- Developed a role-based school management platform supporting Admin, Teacher, and Student workflows for authentication, attendance, classes, events, and administration.
- Built REST APIs with **FastAPI/SQLAlchemy**, a Flutter/GetX client, and containerized deployment using **Docker, GitHub Actions, and Google Cloud Run**.

EDUCATION

Christ University, Bengaluru

Bachelor of Technology (B.Tech) in Information Technology

2024

GPA: 3.2/4.0

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Additional Project Detail

CRM / Genealogy Dashboard / Network Management System

CRM PROJECT

CRM / Genealogy Network Management System

Dashboard UI | Backend Workflow | PostgreSQL/MySQL | Deployment

- Built a CRM-style business dashboard for managing members, profile workflows, business metrics, earnings, payouts, and operational overview cards in a clean admin interface.
- Developed genealogy and network management screens with an interactive tree view to represent hierarchy, member depth, active members, total network size, and earnings summaries.
- Designed dashboard modules for profile management, PIN management, authorization documents, invoice flows, and network operations so non-technical users can navigate business workflows easily.
- Implemented backend-oriented data structures and API-ready flows for member records, reporting metrics, genealogy relationships, and admin actions such as refresh/export operations.
- Focused on responsive UI behavior, readable card layouts, deployment readiness, and a maintainable structure suitable for VM hosting behind Nginx.

PROJECT IMPACT

- Converted a complex network/MLM workflow into a visual dashboard that is easier for business users to understand and operate.
- Presented financial and member metrics in quick-scan cards, reducing the need to inspect raw database or spreadsheet data.
- Added a portfolio-ready example that demonstrates full stack capability beyond simple landing pages: UI, data relationships, admin workflows, and deployment thinking.

RELEVANT CAPABILITIES SHOWN

- | | |
|-------------------------------------|---|
| - Full stack dashboard development | - Admin panel and CRM workflows |
| - Genealogy/tree data visualization | - Database-backed reporting screens |
| - API-ready module planning | - Linux VM and Nginx deployment support |

HOW THIS SUPPORTS CLIENT WORK

This project shows my ability to work on real business software where the UI, backend workflow, database model, and deployment environment all need to fit together. It is especially relevant for clients who need CRM systems, admin dashboards, internal tools, reporting panels, member-management platforms, or custom business portals.