

Preetam Raj

Bangalore, India dev.preetamraj@gmail.com preetamraj.dev github.com/dev-preetamraj
linkedin.com/in/raj-preetam

Summary

Software Engineer with 2 years of experience building and running backend platforms end to end in the energy-tech / cleantech space. Owns a large FastAPI codebase, led a full AWS-to-GCP cloud migration, and ships model-agnostic LLM features across Anthropic and Gemini. Works AI-native day to day and maintains an open-source Python LLM toolkit on PyPI.

Experience

Neufin – Software Engineer II Jul 2024 – Present

- Build and own a ~50K LOC FastAPI backend (Python, PostgreSQL, TimescaleDB) powering Lumen, the company's energy-analytics platform now serving 10 customers across 400+ sites and supporting a business that crossed INR 1.3 Cr (~\$155K) in annual revenue.
- Led the end-to-end migration of the entire production stack from AWS to GCP (GKE, Cloud Run, Cloud SQL, GCS) with minimal downtime, cutting cloud costs by ~\$3,000/month.
- Designed a real-time ingestion pipeline on Kafka and TimescaleDB processing high-frequency data across 400+ monitored sites to power live analytics.
- Built a provider-agnostic LLM document-extraction service with structured, schema-validated outputs (Anthropic Claude and Google Gemini behind one interface via the strategy pattern), cutting manual data-entry effort and speeding up customer onboarding.
- Automated invoicing (Razorpay, PDF generation, WhatsApp/Email delivery) and fault-detection alerting over Slack and WhatsApp, streamlining billing and recurring-revenue collection.
- Automated third-party portal workflows with Playwright and shipped internal dashboards in Next.js 15, React 19, TanStack Query, and Clerk.

GrayQuest – Backend Development Engineer (Intern) Dec 2021 – Feb 2022

- Built a real-time messaging service using Django Channels and WebSockets with authentication.
- Optimized the core Django REST Framework API and fixed bulk file-download (zip) issues.
- Worked with AWS S3 for file storage and RDS MySQL for the database.

Projects

llm-kit – Open source, published on PyPI docs

- Python toolkit exposing one typed, async interface across Anthropic, Gemini, OpenAI, and Bedrock.
- Pydantic-structured outputs and multimodal file handling so callers never rewrite code per provider.

Code Together – Collaborative coding platform repo

- Rooms with shared editor, chat, and whiteboard, kept in sync in real time over WebSockets (Django Channels).

Skills

Languages: Python, TypeScript, JavaScript, C++

Backend: FastAPI, Django, Django REST Framework, Kafka

Frontend: Next.js, React, Redux, Tailwind CSS

Data: PostgreSQL, TimescaleDB, MySQL, SQLAlchemy

Cloud / DevOps: GCP (GKE, Cloud Run, Cloud SQL, GCS), AWS (EC2, S3, RDS), Docker, Git

AI: Anthropic Claude, Google Gemini, OpenAI, Claude Code, Codex, Playwright

Education

Indian Institute of Technology, Mandi Aug 2019 – Jun 2023

B.Tech in Mechanical Engineering, Minor in Computer Science and Engineering, CGPA: 7.34/10

SKMV College, Patna

Apr 2016 – Mar 2018

Intermediate (Science - Math), Percentage: 77.4%

Achievements

- 2nd runner-up in a 2-day hackathon organized by the Programming Club, IIT Mandi.
- College topper in the 12th board examination (BSEB).
- Core member of the Web Dev team for Frosthack, IIT Mandi.