Prem Rajput

Full Stack Developer — AI Engineer

Mumbai, Maharashtra

Email | Phone | GitHub | LinkedIn

Professional Summary

Full Stack Developer and AI Engineer with 3+ years of experience designing and shipping production systems in Python (FastAPI), React, and Next.js. Builds AI-powered products with OpenAI, Google Gemini, LangChain, and LangGraph, including RAG pipelines and multi-agent workflows. Designs REST APIs, JWT/SSO authentication, and cloud infrastructure on AWS with Docker and Terraform. Owns products end-to-end, from backend architecture through frontend implementation, CI/CD, and production deployment.

Technical Skills

Programming Languages

- Python, JavaScript, TypeScript, SQL

Frontend

- React, Next.js, Redux Toolkit, TanStack Query, Tailwind CSS, Ant Design, Styled Components, Framer Motion, Vite

Backend

- FastAPI, Node.js, REST API Design, SQLAlchemy, Alembic, Prisma, JWT Authentication, OAuth/SSO

Databases

- PostgreSQL, MySQL, MongoDB, SQLite, Redis

AI & LLM

- OpenAI API, Google Gemini API, LangChain, LangGraph, Ollama, Retrieval-Augmented Generation (RAG), Vector Embeddings, ChromaDB, Prompt Engineering, AI Agents, Multi-Agent Systems

Cloud & DevOps

- AWS (EC2, S3, CloudFront, SES), Docker, Docker Compose, Terraform, Infrastructure as Code, CI/CD, GitHub-triggered Deployment Automation, Vercel

Tools

- Git, Postman, Playwright, Stripe, Razorpay, Cashfree

Professional Experience

Full Stack Developer *May 2025 – June 2026*

Auwave — Bangalore, India (Remote)

- Architected and delivered full-stack features end-to-end across a Next.js/React frontend and FastAPI/Node.js backend, partnering directly with product and design teams on production releases.
- Designed and implemented production REST APIs consumed by multiple client applications, standardizing request validation and error-handling patterns.
- Engineered PostgreSQL schema design and SQLAlchemy migrations to support evolving data models across services.
- Optimized frontend and backend performance through code review, debugging, and profiling, reducing recurring production issues.

Consultant *March 2026 – June 2026*

Stride Ahead — Delhi, India (Remote)

- Developed and deployed the Stride Ahead Admin Dashboard using React 18, Redux Toolkit, and Ant Design, supporting five distinct user roles in production, with static assets delivered via AWS S3 and CloudFront.
- Built the Pulse Survey backend using FastAPI, SQLAlchemy, and MySQL, integrating Razorpay and Stripe for payment processing.
- Architected Stride ID, a centralized authentication microservice (FastAPI, PostgreSQL, JWT, AWS SES) powering secure single sign-on (SSO) across multiple internal products.
- Developed the Stride Chatbot, an AI-powered career guidance assistant integrating Next.js and the Google Gemini API with role-based access control and embedded iframe delivery.
- Automated infrastructure provisioning with Terraform and built a GitHub-triggered, SSH-based CI/CD pipeline to an AWS EC2 instance, reducing manual deployment steps and configuration drift.

Full Stack Developer *Apr 2024 – Apr 2025*

Biz Assist — Mumbai, India (Remote)

- Promoted from Consultant to full-time Full Stack Developer after 8 months based on strong technical contributions.

- Designed and developed the company's official website, from architecture through production launch.
- Developed RESTful APIs and backend services paired with responsive, cross-browser React frontends, using SQLite for schema design and query optimization.
- Implemented CI/CD pipelines and managed cloud deployments, monitoring production performance and collaborating with design, product, and QA teams to ship features on schedule.

Consultant *Aug 2023 – Mar 2024*
Biz Assist — Mumbai, India (Remote)

- Contributed to early client projects and internal tooling, performing functional, regression, and UI testing across web applications and writing test cases as part of an agile development team.
- Collaborated with developers to triage and verify bug fixes before deployment, and supported early DevOps tasks such as build monitoring and environment setup to strengthen release cycles.

Freelance Full Stack Developer (Part-time) *2022 – Present*
Self-Employed

- Designed and launched BizAssist, a SaaS platform built with Next.js, MongoDB, and Tailwind CSS, deployed on Vercel.
- Developed a WordPress hotel booking platform with a custom STAAH channel manager integration and Cashfree payment gateway.
- Built MarketAI, a marketing automation platform (Next.js, PostgreSQL, Prisma ORM, NextAuth, Zod), and delivered custom web applications, AI-powered tools, and backend systems for other clients, owning architecture through cloud deployment.

Projects

BizAssist (Agency Website)
Tech Stack: Next.js, Tailwind CSS, Node.js, MongoDB, Vercel
Live Demo

- Architected and deployed a production agency website with Next.js and Tailwind CSS, backed by a Node.js/MongoDB API.
- Optimized SEO and performance, achieving fast load times on Vercel's edge network.

Vision Clothing
Tech Stack: Flutter, Dart, Material Design

- Developed a cross-platform e-commerce mobile application in Flutter, sharing a single codebase across Android and iOS.
- Built reusable Material Design components for product browsing and cart flows, optimizing rendering performance.

Doctor AI Automation
Tech Stack: FastAPI, OpenAI API, SQLite, Pillow, gTTS

- Engineered an end-to-end LLM content pipeline (OpenAI API) that generates scripts, synthesizes speech, and produces subtitled video automatically, alongside JWT-authenticated appointment booking and review management modules with speech-to-text integration.

Apex OHOL — Algorithmic Trading Platform
Tech Stack: FastAPI, Python, SQLite, Telegram Bot API

- Built an automated Futures & Options trading system implementing the Open-High-Open-Low strategy, integrating Kotak Securities APIs for live trade execution, with Telegram-based trade notifications, paper trading, and automated market-hour scheduling.

Education

Thakur College of Science and Commerce (B.Sc. IT) Graduated 2023