

Pranav Chandra

Senior Software Engineer (Backend)

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SUMMARY

Senior Software Engineer (Backend) with 5+ years building scalable, production-grade APIs, AI/LLM-powered products, and event-driven systems on AWS and GCP. Specialising in Python, Node.js, GraphQL, multi-model LLM orchestration across OpenAI, Google Gemini, and Anthropic Claude, and real-time streaming architectures across booking, payments, and social-intelligence platforms.

EXPERIENCE

Senior Software Engineer (Backend), LiftOff LLC

Bengaluru, India · 2021 — Present

- Engineered scalable backend systems and APIs handling millions of daily requests across QuiltAI's social intelligence platform.
- Led multi-model LLM orchestration across OpenAI, Google Gemini, and Anthropic Claude — covering prompt engineering, response optimisation, and cost-aware model routing for production workloads.
- Built data ingestion pipelines for Instagram, TikTok, and YouTube — processing high-volume social signal into structured, analytics-ready datasets.
- Architected microservices on AWS and GCP with Docker and GitHub Actions, enabling zero-downtime deployments across services.
- Delivered backend services across multiple client web platforms — Bowie Barker, Squeeze, and Okay Humans — covering booking flows, membership management, and customer-facing experiences.
- Built Stripe-based payments and subscription infrastructure (recurring billing, webhooks); integrated booking platforms (Zenoti, MyTime) and lifecycle email (Klaviyo, Brevo); orchestrated background jobs and crons with BullMQ.
- Designed real-time and event-driven systems — SSE streams in FastAPI for LLM responses, Redis-backed GraphQL subscriptions, webhook-driven integrations, and async producer/consumer pipelines in Python; orchestrated workflows with Prefect, Google Workflows, and Cloud Tasks; deployed edge compute on Cloudflare Workers + KV.

PROJECTS

PROFESSIONAL

QuiltAI — Sphere Platform

Social intelligence platform for brands. Backend infrastructure powering AI-driven analytics, market segmentation, and multi-model LLM pipelines, processing millions of social signals daily.

Tech: Python, GraphQL, PostgreSQL, Redis, AWS, OpenAI API, Google Gemini, Anthropic Claude. URL: quilt.ai/sphere

Bowie Barker — Web Platform

Full-stack web platform for a premium pet grooming franchise. Booking systems, membership management, and third-party API integrations.

Tech: Node.js, TypeScript, REST APIs, PostgreSQL, GCP. URL: bowiebarker.com

Okay Humans — Therapy Platform

Mental health platform connecting users with licensed therapists. Backend for therapist discovery via video bios, session booking, payments, and onboarding.

Tech: Node.js, REST APIs, PostgreSQL, Stripe, Cloud. URL: okayhuman.vercel.app

Squeeze — Massage Booking Platform

Web platform for a modern massage therapy franchise. Backend services for booking flows, membership management, location and therapist directories, and customer-facing service catalogues across multiple studio locations.

Tech: Node.js, REST APIs, PostgreSQL, Stripe, Zenoti, Cloud. URL: squeezemassage.com

PERSONAL AND OPEN SOURCE

App Architect (Open Source)

AI-powered design workflow that turns raw app ideas into production-ready specs through five structured phases — App Flow, Page Map, System Design, Executive Summary, and TDD Prompt — outputting user journeys, wireframes, DB schemas, API routes, and a developer-ready brief with tests and CI.

Tech: Claude Artifacts, JavaScript, Vercel. URL: promptcraft-io.vercel.app

SKILLS

AI and LLMs: Anthropic Claude, OpenAI API, Google Gemini, Prompt Engineering, LLM Orchestration, RAG

Backend: Python, Node.js, TypeScript, FastAPI, Express, GraphQL, REST APIs, BullMQ

Databases: PostgreSQL, MongoDB, Redis, Prisma, pgvector

Cloud and DevOps: AWS, GCP, Vercel, Cloudflare Workers, Docker, GitHub Actions

Streaming and Workflows: SSE, GraphQL Subscriptions, Webhooks, Prefect, Google Workflows, Cloud Tasks

Integrations: Stripe, Zenoti, MyTime, Klaviyo, Brevo

EDUCATION

Full Stack Development — Zen Class

GUVI (IITM Pravartak Certified) · 2020 — 2021

JavaScript & ES6, ReactJS with Redux, Node.js with Express, MongoDB, MySQL — career-pivot programme with live mentorship and hands-on projects.

Bachelor of Engineering, Civil Engineering

Dayananda Sagar College of Engineering, Bangalore · Aug 2014 — Aug 2018