Sumit Ghosh

SENIOR AI PRODUCT ENGINEER

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PROFILE

Hands-on software engineer and sole technical co-founder of Jurisphere, an AI legal-workflow platform serving 500+ paying B2B customers and approximately 2,100 monthly active users. Built the product solo for its first year, then led six engineers across product delivery, AI/backend systems, and cloud infrastructure. Earlier experience includes backend engineering and remote consulting.

EXPERIENCE

Jurisphere.ai - Co-Founder and CTO November 2023-Present

AI platform for law firms, chambers, and in-house legal teams; reached $1M ARR while bootstrapped and subsequently raised $2.2M.

- As the sole technical co-founder, built the product alone through its first year and initial monetization; subsequently led six engineers, handling day-to-day delivery, major engineering initiatives, and technical strategy.
- Developed document ingestion, translation, timeline, structured review, and citation-aware drafting workflows for a platform handling approximately 90K file uploads and 7.2M uploaded document pages per month.
- Migrated shared LLM infrastructure from LangChain to PydanticAI; organized research, memory, mail, and document functionality into capabilities and introduced shared agent construction for production and evaluation.
- Migrated document ingestion and assistant execution into Temporal workflows; redesigned Redis/SSE streaming with reconnect snapshots and contributed an AG-UI protocol migration across web and mobile.
- Developed Word add-in agent functionality spanning document-aware edit suggestions, multi-turn history, and backend persistence of edit application state.
- Built HubSpot/Chargebee provisioning and usage-credit systems covering subscription access, feature wallets, monthly pools, auditable ledgers, and LLM-cost-aware settlement.
- Built reusable deployment infrastructure with Terraform/Terragrunt, Kubernetes, Helm, and ArgoCD for GCP, Azure, and k3s environments; added tracing, dashboards, and isolated search-index backup/recovery tooling.

Magnify Labs - Software Engineer (Part-time) March 2023-October 2023

- Developed Ethereum smart contracts, Graph Protocol subgraphs, TypeScript SDKs, and React interfaces for interacting with the contracts.

Solvent Protocol - Software Engineer March 2022-February 2023

- Developed Solana smart-contract features and TypeScript SDKs; built a PostgreSQL-backed cache of on-chain transactions and state to support frontend queries and historical statistics.

Harmonic - Software Engineer April 2021-February 2022

- Built FastAPI endpoints for internal and external consumers and refactored Python microservices supporting a data pipeline.
- Added unit tests and handled production debugging in a backend stack using PostgreSQL, Redis, Docker, and GCP.

Independent Consultant - Software Engineer January 2016-February 2021

- Delivered software for individual founders and businesses using Python web frameworks, browser automation, scraping tools, databases, and cloud services.

TECHNICAL SKILLS

Languages: Python, TypeScript, SQL

Product: React, Next.js, FastAPI, PydanticAI, Office.js

Systems: PostgreSQL, Redis, Temporal, hybrid keyword/vector search, document ingestion/OCR, SSE

Infrastructure: Docker, Kubernetes, Terraform/Terragrunt, Helm, ArgoCD, GCP, Azure, OpenTelemetry

EDUCATION

Indian Institute of Technology Delhi

Integrated BTech and MTech, Computer Science · 2016-2021