

Arjun Omray

Full-Stack Engineer | Open to Relocate
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SUMMARY

Full-stack engineer with 1.7 years owning production services end to end: TypeScript/Node/Fastify backends, React and Next.js frontends, and Python open-source contributions. Shipped backends and UI across 4 products at an AI startup with LLM integrations (OpenAI, Gemini), Redis caching, and automated CI/CD deployments.

EXPERIENCE

Agniverse AI

New Delhi

Founding Engineer

Jul 2025 – Aug 2026

- Sole backend engineer: built and owned all backend services for 4 production products (3 mobile apps, 1 web platform) using TypeScript/Node, Fastify, Express, PostgreSQL, Redis, Docker, and AWS Fargate.
- Built a web-controlled iOS device manager to remotely schedule and run Appium/WDA automation scripts on a physical device fleet: state-machine task scheduling, heartbeat monitoring, and automatic failure recovery.
- Built MCP servers pulling live data from Meta Ads and payment provider webhooks into Claude for automated campaign and revenue analysis.

Backend Product Intern

Nov 2024 – Jun 2025

- Sole backend engineer: built auth, business logic, and LLM integrations (OpenAI image analysis, Gemini video analysis) in Node.js/Express on MongoDB.
- Built Next.js landing pages with Meta Pixel and CAPI integration for Meta Ads conversion tracking.

OPEN SOURCE

Django

3 merged pull requests

- Added the ColorInput form widget to Django's form widget library, and resolved admin UI regressions: paginator border and login-form padding.

PROJECTS

[Rate Limiters](#) | *TypeScript, Bun, Express*

- Implemented fixed-window, sliding-window-log, and token-bucket algorithms in TypeScript behind a unified interface with unit tests.
- Express server emitting `X-RateLimit-*` and `Retry-After` headers on 429 responses; benchmarked throughput at ~800k ops/sec.

[LoFi Engine](#) | *TypeScript, Svelte, Web Audio API, Canvas*

- Browser-based music sequencer generating procedural chord progressions, FM synth melodies, and drum rhythms with a seedable PRNG and MIDI export.
- Modeled swing timing with micro-jitter; rendered a 60 FPS real-time canvas visualizer decoupled from the audio synthesis thread.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL

Frontend: React, Next.js, Svelte, Tailwind CSS, Vite

Backend: Node.js, Fastify, Express, PostgreSQL, MongoDB, Redis

Infrastructure: Docker, AWS Fargate, Nginx, Linux, GitHub Actions

EDUCATION

ABES Engineering College

Jul 2021 – Jul 2025

Bachelor of Technology in Computer Science