

Product-minded full-stack engineer with 4+ years shipping consumer products to 100K+ users. Fluent across TypeScript, Python, Next.js, Node.js, Redis, and LLM pipelines. Built an MCP server with 13 AI-callable tools, multi-agent chat systems, and event-driven backends — turning user insight into autonomous systems.

01 - Experience

Nov 2025
- Present

Full-Stack Software Engineer *Blitzit*

AI TASK PLATFORM · FASTIFY · TYPESCRIPT · BULLMQ · REDIS · MCP SDK

- **Architected a plugin-based integration SDK from scratch** using a Node.js event bus and modular design — reduced new integration footprint from **10+ files and 2,000+ lines** to a **single 300–500 line plugin**, cutting time-to-integrate by ~80%.
- **Built an MCP server with 13 AI-callable tools** implementing OAuth 2.1 (PKCE) and JSON-RPC 2.0 over Streamable HTTP — exposing the product as an execution layer for LLM agents.
- Shipped **deep bidirectional sync** with Asana, ClickUp, Notion, and Google Calendar; designed conflict-resolution logic, webhook handlers, and timezone-aware scheduling across 21 timezones.
- Designed a **BullMQ + Redis notification pipeline** with retry semantics and dead-letter queues for reliable async delivery.
- Currently redesigning the backend with **auto-switching LLM model routing with prompt-level control, personalised Pinecone vector memory**, unit tests, rate limiting, and request validation hardening.

2023
- Present

Founder & Lead Engineer *Spyll*

ANONYMOUS SOCIAL PLATFORM FOR COLLEGE STUDENTS · NEXT.JS · SOCKET.IO · WEBRTC · REDIS · FLUTTER

- Built and scaled a consumer social app with **1,200+ Android downloads in the first month with zero paid marketing** — real-time 1:1 chat matching, voice calls, and encrypted confessions.
- Engineered a **Redis pub/sub matching engine** for low-latency 1:1 pair allocation; implemented WebRTC voice and Socket.IO chat with horizontal scaling.
- Rebuilding the mobile client in **Flutter** (previously React + Capacitor) for native-grade smoothness on Android and iOS; ran rapid A/B tests on onboarding and matching flows, iterating on retention data.

Dec 2022
- Feb 2026

Co-Founder & Lead Developer *MaddyCustom*

E-COMMERCE PLATFORM FOR VEHICLE CUSTOMIZATION · NEXT.JS · MONGODB · RAZORPAY · AWS

- Sole engineer behind a custom e-commerce platform that scaled to **100K+ monthly users and ₹60L ARR** — running most of what Shopify offers, tuned around our workflows.
- Built an admin platform covering **inventory, multi-domain management, offer engine, A/B testing, Sankey funnel analytics, and customer journey analysis** — feedback loops tied directly to shipping decisions.
- Implemented **multi-gateway payment orchestration (Razorpay + PayU fallback)** after diagnosing upstream bank downtimes — materially cut payment failure rate.

02 - Selected Projects

Avana ✦ Built a **multi-agent chat system with orchestrator and specialist handoffs** using OpenAI Agents SDK, realtime WebRTC voice, Xendit payments, and an admin panel with automated news scraping — two codebases shipped solo as freelance sole developer for an AI investment research platform for Bali real estate.

03 - Toolkit

FRONTEND

TypeScript, JavaScript, Python, Dart · React, Next.js, Vue, Flutter, React Native, Electron, Tailwind, Framer Motion, shadcn/ui, MUI, Redux

BACKEND

Node.js, Fastify, Express, FastAPI, modular plugin architecture, REST, JSON-RPC, WebSockets, Socket.IO, WebRTC

AI / AGENTS

OpenAI Agents SDK, MCP Protocol, LLM orchestration, multi-agent handoffs, prompt-level model routing, Pinecone vector memory, RAG, evaluation & observability

DATA & INFRA

MongoDB, MySQL, Redis, BullMQ, Firebase, event-driven/pub-sub, workers & queues, AWS (S3, CloudFront), Vercel, Docker, Cloudflare

PRODUCT

A/B testing, experimentation, funnel analytics, activation & retention loops, OAuth 2.1/PKCE, Clerk, NextAuth

04 - **Education** **Harcourt Butler Technical University (HBTU)** · B.Tech, Mechanical Engineering · Web Dev Head, 2021 - 2025
Technical Sub-Council