Owen Abel Amenze

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Summary

Senior Software Engineer with 6+ years' experience building product, API, data, search, and infrastructure systems across high-traffic web platforms. Strong in TypeScript, React/Next.js, PostgreSQL, AWS, Cloudflare, Redis/BullMQ, and contract-driven development. Owns systems end-to-end, from architecture and implementation to deployment, observability, release readiness, and post-launch reliability.

Experience

Senior Software Developer, Product — **Mar 2025 – Present**

Out of Office Collective — *London*

- Scaled Fête Finder into a production event platform, supporting 3,000+ registrations and 50,000+ unique visitors during campaign launch.
- Built and owned PostgreSQL event ingestion pipelines with CSV import/export, schema validation, data quality checks, and automated Vitest coverage.
- Architected a resilient geospatial stack using MapLibre and Geocoding, with coordinate hydration, stale-location pruning, area-based filtering, and canonical shareable mapping that kept event discovery reliable under partial geodata quality issues
- Created admin telemetry and analytics surfaces to connect event curation decisions with measurable outcomes across engagement, discovery behavior, and partner ROI.

Senior Software Developer, Full-Stack — **Apr 2023 – Feb 2026**

Jisc — *Bristol*

- Led the migration of a headless Django + Next.js CMS from legacy infrastructure to AWS ECS Fargate and RDS, modernising its IaaS footprint and improving deployment scalability.
- Designed a low-risk rollout process using Jira planning, rigorous code review, pair programming, and Playwright E2E plus A/B validation to reduce production risk during releases.
- Built the help page CMS end-to-end and connected it to headless Directus, enabling product owners and the content team to self-manage onboarding, FAQ, and API documentation while I standardised publishing via markdown-to-AST processing.
- Developed ETL/indexing pipelines from PostgreSQL into Elasticsearch to keep search indices synchronized with source-of-truth data, improving search quality with fuzzy matching, boosting, stemming, and typo-tolerant query design
- Led collaboration between Data Services and Product Engineering to define the end-to-end Transitional Agreement data pipeline, aligning policy, journal, and infrastructure priorities end-to-end
- Established a structured feedback loop to data stewards on coverage gaps, normalisation issues, and malformed records, improving dataset integrity and reliability of downstream search.

Software Engineer, Backend — **June 2018 – June 2020**

TempTribe — *London*

- Refactored RESTful API endpoints and implemented a dynamic scheduling algorithm to minimize shift conflicts, while streamlining documentation to accelerate the developer on-boarding process

Software Developer, Full-Stack — **May 2016 – June 2017**

Hypixel Inc and Dungeon Realms — *United States*

- Collaborated with cross-functional teams (QA and Design) to deploy game features and streamline payment processing, maintaining >60% user satisfaction across 100,000+ concurrent players

Projects

Fête Finder - Event Discovery Platform

Product Engineer ·

- A cultural event discovery platform for the annual Fête de la Musique festival that combines searchable event listings, interactive maps, shareable event pages, and partner placements; supported by growth through brand sponsor partnerships

Milk & Henny - Full Stack Content Platform

Software Engineer ·

- A Next.js content management system and private media-sharing platform using Cloudflare R2 for storage and Workers for RAW/video processing, edge image optimisation, and AI-powered face detection for focal-point cropping

Receipts — Trust-First Beauty Discovery Platform

Founder

- A trust-first beauty discovery platform using PostgreSQL search, Better Auth, typed contracts, observability, and BullMQ/Redis-backed asynchronous worker pipelines, with retries, rate control, and queue visibility for evidence-backed ranking

Education

Bachelor (Hons) of Computer Science - First Class (4.0 GPA) — **Oct 2020 – Jun 2023**

University of Essex — *Colchester, Essex*

Skills

Languages	TypeScript | JavaScript | Go | Java | Python | Bash
Frameworks	React | Next.js | Django (Wagtail) | Hono | | Fastify | TanStack | Zod
Databases	MySQL | PostgreSQL | SQLite | Elasticsearch | Convex | Kysely | Drizzle ORM
Infrastructure	AWS | Google Cloud | Cloudflare | Docker | Terraform | Vercel | Railway | CI/CD
Tooling	Git | Vitest | Playwright | MapLibre | Jira | Linear
Async/Messaging	BullMQ | RabbitMQ | Redis