Michael Weber

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SUMMARY

Full-stack developer with 5+ years of experience building B2B SaaS products. At Fortress Information Security, built an SBOM risk-analysis platform covering 20k+ SBOMs and 5M+ components and a central API gateway serving 100+ Python microservices. Recently shipped production LLM applications, custom business apps, and multiple websites for paying clients. A strong communicator who collaborates effectively with engineers, designers, and stakeholders.

SKILLS

- **Programming Languages:** Python, TypeScript/JavaScript, OCaml, Rescript/ReasonML
- **Backend:** Node.js, Express, Hono, FastAPI, Pydantic, AsyncPG, REST API design, microservices, system design
- **Frontend:** React, Next.js, Vite, HTML, CSS, Tailwind, Bootstrap, State Management
- **Databases:** PostgreSQL, SQLite, MongoDB, Redis
- **Tools:** Git, Jenkins, Docker, Redis, ElasticSearch/OpenSearch
- **AI/LLM:** Claude, Codex, OpenAI/Anthropic API, LLM tool use & agents, production LLM integration

PROFESSIONAL EXPERIENCE

Software Engineer, Freelance
Feb. 2026 – Present

- Built full-stack web apps end-to-end for local businesses, including a multi-tenant fractional ownership property platform with role-based owner/staff/admin portals (React/TypeScript, Hono, Cloudflare Workers/Pages/D1).
- Built a production LLM-powered WhatsApp hotel concierge handling 24/7 guest inquiries, plus a hotel operations admin app for bookings, revenue, and customer data (Next.js, Twilio, Anthropic API, Prisma).
- Built 4 responsive small-business websites with landing pages, marketing SEO, and contact integrations (React, TypeScript, Vite).

Software Engineer, Fortress Information Security | Remote
Sep. 2021 – Feb. 2026

- Designed, implemented, and maintained a central API gateway and service bus that routes, orchestrates, and secures communication across 100+ microservices, exposing select endpoints through a secure public proxy layer.
- Developed a comprehensive UI platform delivering product/vendor/SBOM catalogs, interactive SBOM analysis dashboards, admin tooling, and robust search, filter, and sort functionality across all data domains.
- Built an end-to-end SBOM (Software Bill of Materials) analysis application delivering on-demand, real-time vulnerability, malware, dependency, and foreign-presence risk analysis over a catalog of 20k+ SBOMs and 5M+ components, with algorithmic scoring, LLM integration for summarization and remediation, and relational mapping of findings across the dependency graph.
- Built a real-time vulnerability service API that ingests and normalizes NIST/MITRE CPE-CVE data into PostgreSQL and OpenSearch, enabling high-performance fuzzy matching, bulk lookups, and advanced vulnerability search.
- Built an open-source component repository integrating major package managers (PyPI, NPM, Cargo, RubyGems, Maven, Go) to aggregate licenses, dependencies, metadata, and GitHub contribution insights.

PROJECT EXPERIENCE

Desktop Web, Creator & Developer (desktop-web.com)
Mar. 2026 – Present

- Full-stack browser-based macOS/iOS desktop emulator with 70+ apps (games, social, AI chat, OS services), a window manager and filesystem, real-time multiplayer/messaging, and PWA/push support.

ChattyZilla, Developer
Mar. 2020 – Aug. 2021

- B2B omnichannel messaging platform startup integrating APIs across communication mediums (social media, email, SMS, live web chat) into a cohesive admin and agent UI.

EDUCATION

BSBA Finance, University of Central Florida
Dec. 2020 — Major GPA: 4.0

- Coursework in Quantitative Analysis I & II and Financial Derivatives. Self-taught in software development, data structures & algorithms, and functional & OOP design patterns.