

# Daniel J. Wirz

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Software Engineer experienced in healthcare solutions and AI-enabled developer tools. Building scalable microservices, AI-driven agentic solutions, and enabling ridiculous personal use cases in Notion.

## Skills

**Programming:** JavaScript, TypeScript, Python, Java, Go, SQL, Bash

**Frontend:** React, React Native, Expo, Angular, Next.js, Tailwind, WebSockets

**Backend:** Node.js, Express, FastAPI, GraphQL, Redis, Postgres, MongoDB, Prisma, Supabase, tRPC, Zod

**Infrastructure & DevOps:** AWS, Docker, Terraform, Kubernetes, GitHub Actions, Jenkins, Cloudflare, Consul, Edge Functions (Vercel, Cloudflare Workers)

**AI & Data:** Hugging Face (NSFW filtering, embeddings), OpenAI, Anthropic, LangChain, Vector DBs (Weaviate, Pinecone), Elasticsearch, FHIR

**Tooling:** Cursor (AI-driven coding), Warp (modern CLI), Notion (workflow automation), Obsidian (PKM), Bun (JS runtime)

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## Experience

### Senior Software Engineer

**Kyros** (*April 2023 - October 2024*)

- Maintained and enhanced billing systems for peer services, supporting medical billing teams.
- Designed and implemented a monthly insurance verification tool, reducing manual checks.
- Expanded system capabilities to support new markets and billers, improving coverage rates.

### Founding Engineer

**Hyp** (*December 2021 - March 2023*)

- Developed a real-time auction platform, implementing AWS-based backend infrastructure.
- Built automated testing and Stripe payment integration to ensure reliable transactions.
- Integrated Instagram APIs to enhance social engagement and drive traffic to the platform.

### Platform Consultant / Full Stack Engineer

**Propeller Health** (*May 2017 - October 2021*)

- Led external system onboarding, streamlining integrations for major commercial partners.
- Supported digital therapeutics platform integrations with Walgreens, Express Scripts, and more.
- Managed technical relationships to ensure seamless data exchanges and interoperability.

## Volunteer

**Reboot Kamp, Amman, Jordan** (*December 2016 - April 2017*)

- Mentored students through a 4-month JavaScript Immersive Program, focusing on pair programming.
- Designed sprint-based learning modules to build both technical and soft skills.

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## Projects

### Notion Workout Automation — [GitHub](#)

- Automates workout tracking in Notion by duplicating exercises from predefined templates.
- Uses Cloudflare Workers to process requests, log interactions, and prevent API rate limits.

### Cover Letter AI — [GitHub](#)

- AI agent-powered application aide that analyzes job descriptions and resumes.
- Built with FastAPI, Supabase, OpenAI, and Anthropic, leveraging multiple AI agents for ATS optimization.

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## Education

### University of Wisconsin Madison (2008 - 2012)

- Studied chemistry and biology, focusing on biophysics instrumentation research.
- Developed protein extinction coefficient testing methods before leaving academia.