

# 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, 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, OpenAI, Anthropic, LangChain, Vector DBs (Weaviate, Pinecone), Elasticsearch, FHIR, EHR, Pydantic

**Tooling:** Cursor (AI-driven coding), Warp (modern CLI), Notion, Obsidian, 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.