Shawn Kay

🏠 Syracuse, New York 🇺🇸

shawnfromportland.com | shawn@shawnfromportland.com
linkedin.com/in/shawnfromportland/ | github.com/shawnfromportland

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Professional Summary
- 20+ years full-stack engineering experience specializing in data architecture, JS & TypeScript, VR
- Engineering team leadership experience
- Actively experimenting with AI-generating full codebases and AI tooling.
- Strong focus on project methodology, automation, and comprehensive documentation.
- Bachelor of Science in Computer & Information Science, University of Oregon

Goals
I am looking to be part of a small-to-midsized engineering team where I can have real impact by solving hard and previously unsolvable problems by leveraging AI tools. I am interested in growing my dev leadership experience. I am a motivated and self-directed learner, capable of deep diving into learning whatever new tools, languages, or frameworks I need to, on the job. I am seeking to leverage my problem solving skills and creative thinking rather than be a mere production-line engineer. I have a special interest (but not limited to) cutting-edge applied AI and VR, with experience in the metaverse since 2017.

Skills
- 20+ years JavaScript
- full stack TypeScript
- GCP and Firebase
- Vue & Vuetify
- API development
- Laravel
- Data architecture
- SQL & NoSQL
- CI/CD pipelines
- Documentation & Technical Writing
- User experience & Developer experience
- SDLC methodologies
- Creative problem solving
- The vibecoding ecosystem
- Clear and kind communicator

Experience (selected)
Lead Full Stack Engineer - framevr.io (2022 – 2024)
Browser-based metaverse meetings and more. Built full stack subscriptions system resulting in tens of thousands MRR. Built an in-world AI-assistant NPC with FAISS RAG vector search and langchain. Built and maintained GCP infrastructure. Lead DevX and documentation improvements. Had creative input across the full stack. Designed and implemented user experiences in vue/vuetify.

Sr. Full Stack Engineer - CIS.us (2020 – 2022)
CIS or CISSDM is an SD-WAN managed systems provider. Built management dashboard software integrating with over a dozen telecom APIs (verizon, ATT, Tmobile, Cisco, Meraki, etc) for clients including Starbucks, 24 Hr. Fitness, Carhartt, State Farm and more to manage their networking and telecom infrastructure.

Sr. Full Stack Engineer - shawnfromportland.com (2013 – 2020)
Independent consultant. Built an IVR phone screener system that the world's largest pharmaceutical companies use to pre-screen and match thousands of patients a day to participating clinics for clinical trials around the world.
Developed form-building and e-signing app used to close real estate title deals. Used by clients like Navy Federal Credit Union. Custom API integration with CRM platform. Handles tens of millions of dollars in daily transactions.
Produced and self-released 5-star rated VR app experience Bermeo Heights Express on multiple platforms. Highly optimized to achieve long-running 60fps performance on low-end mobile VR hardware.

Web Dev Instructor - Thinkful.com (2013 – 2014)
Taught about a dozen students JavaScript and web development fundamentals, one-on-one.

Backend Engineer - Substance Inc. Ad Agency (2012 – 2013)
Backend engineer on the team that built the webby-award nominated official Oregon state tourism site, traveloregon.com.
Brought Leupold & Stevens sporting optics company into the digital age converting their technical IP into usable databases powering their web apps.
Backend engineer on the team that created an internal Nike employee metrics and shoe ordering app used nationwide in stores that sell Nike running shoes. Represented the backend voice of my agency in-person at Nike world HQ meetings.

Backend Engineer - Thesis Ad Agency (2011 – 2012)
Built an internal data management tool for Nike to track compounds used in their products and their corresponding environmental regulations.
Built an internal employee recognition and rewards app for Banfield Animal Hospitals.
Built a backend server job that synced with a call center CRM for a major home security systems installer to coordinate and schedule customer events around their home security system installation project.

Full Stack Engineer - Steelhead Ad Agency (2009 – 2011)
Built an employee training and rewards app for LG electronics.
Maintained web accounting software for Panasonic electronics.
Immersed in full ad agency environment working across the creative stack with screen writers, designers, and video producers.