Adam Horvath

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Senior full-stack engineer with 7+ years of experience delivering customer-facing applications, distributed systems, and API-driven platforms across startup and enterprise environments. Strong background in TypeScript, React, Node.js, and AWS, with recent experience designing and deploying production AI agents, AI assistants leveraging large internal knowledge bases, and OpenAI-powered developer tooling. Passionate about building pragmatic software that solves real business problems while maintaining high engineering quality.

SKILLS:
Languages/Platforms: TypeScript, JavaScript, Python, SQL, Java
Frontend: React, Redux, Vue, Angular, HTML/CSS
Backend: NodeJS, Express, REST APIs, Serverless APIs
Cloud & Data: AWS, MongoDB, MySQL
AI/GenAI: OpenAI APIs, OpenAI Agents SDK, Sierra, prompt engineering, workflow orchestration, evaluation frameworks, tool/function calling, knowledge-grounded AI systems
Core Competencies: Full-stack application development · API & enterprise integrations · AI-powered workflows · Cloud-native systems · Production engineering

EXPERIENCE:
Altimetrik (Remote) **07/2024 – 08/2026**
Senior Software Engineer
- Designed and delivered production AI applications and workflow automation systems using the Sierra platform and TypeScript across multiple enterprise client engagements.
- Embedded with Sierra's core engineering team for three months, contributing to platform improvements while developing production AI applications and gaining deep familiarity with the framework's architecture.
- Architected an Incident Response agent for a nonprofit client that collected structured user input and applied multiple LLM-driven classification and inference steps (e.g., environment, topic, incident context) to dynamically route workflows, enforce structured triage logic, and trigger downstream actions including Salesforce case creation, Airtable API calls, and delivery of personalized educational resources
- Developed AI assistants leveraging large internal knowledge bases to generate educational content and support research-driven user interactions.
- Iteratively refined agent behavior using production interaction data and prompt optimization, improving data completeness and increasing meaningful user submissions by ~20%
- Built a conversational retention agent for Thrive Market that dynamically sequenced personalized offers within a cancellation workflow
- Contributed to an AI-powered support system processing a backlog of ~30,000 customer emails using LLM-based classification and human-in-the-loop response generation

Fabric, Seattle, WA (Remote) **06/2021 – 04/2024**
Senior Software Engineer (07/23 - 04/24) & Software Engineer (06/21 – 06/23)
- Built and maintained serverless APIs using Node.js, AWS Lambda, SQS, S3, API Gateway, and MongoDB to support payment processing and financial reconciliation.
- Developed customer-facing web applications using React, TypeScript, and Vue
- Led migration of a major application from Vue to React/Redux.
- Partnered with product and design teams to translate Figma designs into reusable, responsive UI components.

- Established a comprehensive Cypress test suite covering hundreds of user scenarios, improving release confidence and reducing regressions.
- Participated in on-call rotations supporting distributed production systems, including investigation and debugging of Django-based backend services.

Marker Trax, Las Vegas, NV **12/2020 – 06/2021**
Full-stack Software Engineer
- Built APIs using Node.js, TypeScript, Express, and AWS Lambda for payment, customer, and gaming data.
- Integrated third-party services for payments, credit checks, and notifications.
- Developed responsive web and mobile applications using Angular, Ionic, and Tailwind CSS.

Allegiant Air, Las Vegas, NV **7/2019 – 11/2020**
Full-stack Software Engineer
- Developed customer-facing web applications using React, Redux-Saga, and Symfony.
- Built Java Spring Boot APIs supporting passenger and accounting systems.
- Participated in database design using DB2 and MySQL.
- Contributed to automated testing using Selenium, JUnit, and Jest.
- Supported the full software delivery lifecycle from planning through production support.

PROJECTS & OPEN-SOURCE:
OpenAI Cookbook (Published Contributor)
- Contributed to a published OpenAI Cookbook on agentic schema-change workflows using the OpenAI Agents SDK, evaluation frameworks, and notebook-based AI engineering.
- Published at OpenAI Developers

OpenAI Hackathon
- Built an AI-assisted engineering workflow using Python, OpenAI Agents SDK, Slack, GitHub, and enterprise data integrations, contributing to orchestration, evaluation, and production-focused debugging.

CERTIFICATIONS:
- OpenAI Technical Practitioner
- Codex Deployment Practitioner
- Claude with the Anthropic API

EDUCATION:
Masaryk University, Brno, Czech Republic
M.Sc. Psychology (2014)