

Advait Madhekar

US Permanent Resident | Open To Relocate

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WORK EXPERIENCE

Quizcademy, Olympia, Washington

2026 – Present

Founder & CEO

- Founded Quizcademy, an AI-powered learning platform delivering personalized practice, step-by-step tutoring, and adaptive learning experiences for students.
- Built and launched an end-to-end edtech product integrating AI-driven learning support, adaptive assessments, and student progress tracking to personalize instruction and improve learning outcomes.
- Led product strategy & technology development, developing a subscription-based business model combining self-paced learning with one-on-one tutoring.

Fast Enterprises, Olympia, Washington

May 2025 – Present

Forward Deployed Engineer

- Engineer financial infrastructure supporting revenue allocation and accounting distribution across Washington State's counties and cities, translating complex government requirements into operational systems.
- Develop penalty, interest collection, and taxpayer refund distribution systems, collaborating with financial teams, compliance officers, legal examiners, and subject-matter experts to validate statutory requirements.
- Lead a cross-agency initiative with the Internal Revenue Service to develop a 1099-B data collection service and contribute to annual state B&O tax reconciliation.

Brixely AI, San Francisco, California

Aug 2025 – Oct 2025

Forward Deployed Engineer

- Partnered with engineering stakeholders to restructure backend architectures using object-oriented design, aligning system implementations with evolving project requirements.
- Built an event creation, flagging, and scoreboarding system to capture failures, persist event records, and improve operational visibility.

Keysight Technologies, Santa Rosa, California

Sep 2024 – Dec 2024

Forward Deployed Engineer

- Led a 5-person engineering team to deliver cloud integration for the KS8400A product, coordinating technical implementation across engineering workstreams.
- Engineered caching algorithms to optimize data access between client machines and cloud environments, addressing performance requirements in distributed systems.

PROJECT EXPERIENCE

AI Travel Advisor (Launched With Focus Group)

- Developed an AI-powered travel planning engine, translating traveller requirements into personalized itineraries and practical workflows for an AI-driven travel product.
- Launched a pilot, working with a focus group of travellers to validate real-world usability and gather early product feedback.

TECHNICAL SKILLS

Skills: Python, TypeScript, JavaScript, SQL, REST APIs, React, FastAPI, LLM Applications, AI Agents, Retrieval-Augmented Generation (RAG), LangChain, MCP, LLM Evaluation, Prompt Engineering, PyTorch, AWS (Lambda, Bedrock, API Gateway, DynamoDB, OpenSearch), Docker, Kubernetes, Terraform, CI/CD, Git, Linux, PostgreSQL, NoSQL, Distributed Systems, System Design

EDUCATION

University of California, Santa Cruz, California

B.S. in Computer Engineering (Systems Programming Concentration); Minor in Computer Science

2024