

Payman Ahmadpour

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(949) 528-5940
<https://kuraiji.github.io/portfolio/>

Education

University of California, Irvine

Irvine, CA

Bachelor of Sciences in Computer Science

Professional Experience

VR Engineer

Sept 2021 - Jan 2025

Applied Medical

- Leading a small team of developers to create VR training simulations powered by Unreal Engine
- Created and deployed core infrastructure to a VR training environment with C++ and Blueprints
- Responsible for creating each training scenario and making sure it is true to reality with 95% accuracy
- Built desktop/CLI tools in Typescript that's used for video tagging and archival
- Established the version control system using Perforce

Projects

Kuraiji.me - E-commerce Platform

March 2025

Solo

- Full-stack shopping platform created with React and AWS services
- Powered with API Gateway and AWS Lambda to secure database transactions
- Used Next.js and Supabase for website routing and authentication
- Utilized React server components for backend server communication
- Built with DynamoDB to allow for a fully scalable and cost-effective database solution
 - <https://www.kuraiji.me/>
 - <https://github.com/kuraiji/crud-website>

Skills

Programming Languages: C++, C#, C, Typescript, Javascript, Python, SQL

Natural Languages: English and Japanese

Full Stack Development: HTML, CSS, React, Tailwind CSS, ASP.Net Core, RESTful APIs, DynamoDB, PostgreSQL, Redis, Apache Cassandra

Software and Video Game Development: Unreal Engine, CLI Tooling, Electron

DevOps, Cloud & Others: Leadership, Git, Github, Docker, Perforce, Linux Server, AWS Lambda, Terraform, Cloud Architecture and Infrastructure

Certificates

AWS Certified Solutions Architect – Associate

February 2025

Amazon Web Services

- Earners of this certification have a comprehensive understanding of AWS services and technologies. They demonstrated the ability to build secure and robust solutions using architectural design principles based on customer requirements. Badge owners are able to strategically design well-architected distributed systems that are scalable, resilient, efficient, and fault-tolerant.

