Payman Ahmadpour

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PaymanAhmadpour@outlook.com   https://kuraiji.github.io/portfolio/

Education

University of California, Irvine   Irvine, CA
Bachelor of Sciences in Computer Science

Professional Experience

XR Technical Artist   **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
Natural Languages: English and Japanese
Full Stack Development: HTML, CSS, React, Tailwind, DynamoDB, RESTful APIs
Software and Video Game Development: Unreal Engine, ASP.Net Core, CLI Tooling, Electron
DevOps, Cloud & Others: Leadership, Git, Github, Docker, Perforce, Linux and Ubuntu Server, Amazon Web Services, AWS Lambda, 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.