

Owen Adrian

Mesa, AZ • (480) 648-1374 • akrivus@gmail.com • [linkedin.com/in/owen.adrian](https://www.linkedin.com/in/owen.adrian) • owen.codes

Experience

Lead Software Engineer

06/2023 - 06/2024

Syntreno • Remote

- Developed Syntreno's flagship product, an advanced training simulation that uses GPT-4 to control lifelike, voice-interactive virtual characters, significantly improving learning outcomes.
- Engineered a secure API proxy server using Ruby and Sinatra for token management and OpenAI integration, reducing unauthorized access attempts and throttling with Rack::Attack.
- Collaborated with C-level executives to optimize real-time voice recognition using Whisper, resulting in a 50% reduction in latency, thereby enhancing user satisfaction.

Software Engineer

03/2021 - 05/2023

Unity Technologies • Remote

- Optimized workflows by implementing SSO in React and developing an ASP.NET Core service for importing third-party data, simplifying file import to a one-click process, and boosting productivity.
- Improved load times by 30% and expanded market share by replacing gRPC with WebSocket and FastAPI for streaming 3D rendering, making the solution UWP-compatible for Microsoft HoloLens.
- Reduced hosting costs by 30% by containerizing a Ruby on Rails application with Docker and deploying it to Azure Kubernetes Service (AKS), allowing reallocation of resources to other functions.
- Developed microservices in Ruby and Sinatra for native 3D model file conversion using FFI, enabling faster project turnarounds and increasing processing efficiency by 80%.

Full-Stack Developer

03/2020 - 03/2021

VisualLive • Tempe, AZ

- Enhanced application performance by 67% by resolving technical debt and N+1 errors using Sentry and Scout APM, resulting in a 20% increase in user satisfaction and retention.
- Delivered 99.99% uptime by implementing a CI/CD pipeline with GitLab CI, Brakeman, and Newman, decreasing service interruptions by 75% and maintaining customer trust.
- Implemented API usage tracking for Bitrix24 CRM and Salesforce Marketing Cloud, leading to a 25% increase in targeted marketing campaign effectiveness.
- Improved page load speeds by 40% through modernizing static HTML front-end with TurboLinks.

Freelance Developer

09/2017 - 03/2020

Hammerhand Coffee • Liberty, MO

- Developed a Ruby on Rails coffee-ordering app that served 13,000+ users and generated \$3M in additional revenue, leveraging Twilio for communication, Stripe for payments, and Square for POS integration to create a seamless ordering experience.
- Maintained a long-term consultancy relationship through a revenue share model, leading development projects, managing client relationships, providing customer support, and organizing hackathons.

Skills

Languages: Ruby, JavaScript, TypeScript, C#, Python, HTML, SASS, CSS, SQL

Technologies: Ruby on Rails, Sinatra, React, Postgres, MongoDB, Heroku, Azure, AWS, Git, Bash, Docker