

# Owen Adrian

Seasoned software engineer with a proven track record of independently designing and leading development projects. Skilled in translating complex problem statements into actionable development plans and delivering solutions that meet business needs.

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## Experience

### **Lead Development Engineer**, Syntreno

August 2023 - Present

At Syntreno, we identify opportunities where artificial intelligence can accelerate business processes by integrating LLMs in virtual occupational training environments.

- Built a Unity application integrating GPT-4 with multi-modal speech and video recognition to produce expressive, real-time conversations for sales training.
- Implemented retrieval-augmented generation in GPT-4 with Ruby on Rails for uploading, processing, embedding, and storing documents for expanded context.

### **Full Stack Engineer**, VisualLive

Mar 2020 - May 2023

VisualLive is an AR/VR app that enables real-time 3D visualization of BIM/CAD files on the HoloLens for architects, engineers, and construction workers. The product features a Unity application called HoloLive, a RESTful API and web app powered by Ruby on Rails.

- Reported to CTO, assumed full responsibility for VisualLive's cloud infrastructure and Ruby on Rails codebase, transformed high-level objectives into detailed project specifications, and executed the development of features.
- Addressed technical debt by implementing APM and CI/CD with GitHub Actions, improving response times by 67%, and optimizing user experience on mobile.
- Advised non-technical teams and developed custom CRM (Bitrix24, Salesforce) integrations for clients and marketing and sales teams.
- Built a web service in Python for transforming large (>3 GB) BIM files, speeding up job runtime by 90% and delivering cutting-edge efficiency to stakeholders.
- Containerized Ruby on Rails application for on-premise deployment by the U.S. Army Corps of Engineers in the reconstruction of Tyndall Air Force Base.

### **Founder, Engineer**, Order Coffee Online

Sep 2017 - Mar 2020

Order Coffee Online was a coffee tech start-up that serviced three cafes in the Kansas City area, processing over \$500,000 in sales, making the mornings of over 3,000 customers, and being awarded the 20under20 Innovator Award by Liberty Area CoC.

- Developed a minimum-viable product using Ruby on Rails, Twilio, and Stripe during a weekend hackathon with two volunteer developers, catalyzing profitable revenue generation and delivering immediate market impact.
- Led shareholder meetings, planned conceptualization and commercialization, refined project goals with product feedback, and developed marketing strategies.

## Technical Skills

### Languages

- Ruby (Rails 5, Rails 7, Sinatra)
- JavaScript (Node, React, Svelte, Express.js)
- C# (.NET 7, .NET Standard 2.1, ASP.NET Core, Unity)
- Java (Java 8, Java 17, Apache Tomcat)
- Python (Flask, FastAPI)
- CSS (Bootstrap, Tailwind)
- HTML

### Databases

- PostgreSQL
- SQLite
- MongoDB

### Cloud Platforms

- Azure (App Service, Kubernetes)
- AWS (EC2, S3)
- Heroku
- Digital Ocean

### Tools

- Git (git, GitHub, GitLab)
- Linux (Debian)
- Docker
- Kubernetes
- Gradle
- Visual Studio Code
- JetBrains

## Education

**Technology Solutions**, Northland CAPS

Aug 2017 - May 2018

**High School Diploma**, Liberty North High School

Aug 2014 - May 2018