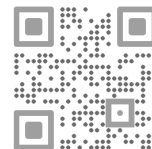


Aaron J. Lampros

User Experience Architect

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Professional Experience

The Equity Engineering Group, Inc. - Applied Research & Development - Shaker Heights, OH

Dec 2022 — Present

Group Head of Cloud Software Development

Head a team of Full-stack developers building and maintaining a large suite of cloud-based proprietary engineering tools and rapid prototype development. Serve in a consultative capacity to other departments in order to foster a healthy cloud software environment and transition legacy products to the web.

- Expand functionality of the EEC platform to include a new suite of tools for running proprietary engineering calculations periodically using native Kubernetes cron jobs. Also includes ability to refresh time-series data from an API proxy and evaluate the results against user-defined thresholds. This required development of separate Go binaries that run in individual containers for each type of cron job.
- Part of a migration of the EEC platform from GCP to Azure, we needed a uniform API for simple storage across both platforms. Critically, a uniform method of cryptographically signing URLs to offload bandwidth to the client allowed calculator authors to attach large datasets to results (regardless of the cloud provider).
- Develop a new microservices stack to support the CAN2 project to track spent nuclear fuel storage canister corrosion rates.

Relevant Skills: Kubernetes, CI/CD, Go (lang), React, Node.js, TypeScript, Docker

The Equity Engineering Group, Inc. - Applied Research & Development - Shaker Heights, OH

Feb 2022 — Present

Senior Developer II

Full-stack development of a large suite of cloud-based proprietary engineering tools and rapid prototype development.

- Design a system to allow a chain of python calculation microservices to execute in series within a kubernetes cluster while taking full advantage of autoscaling capabilities.

Relevant Skills: Kubernetes, TypeScript, React, Go (lang), CI/CD, Node.js, Docker

The Equity Engineering Group, Inc. - Applied Research & Development - Shaker Heights, OH

Feb 2021 — Feb 2022

Senior Developer I

Full-stack development of a large suite of cloud-based proprietary engineering tools and rapid prototype development.

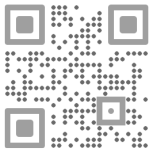
- Took a very manual deployment process using disparate Kustomize scripts to a completely hands-off "GitOps" workflow. Utilizing GitHub Actions, ArgoCD and convention-over-configuration, this change reduced both time spent deploying and risk of human error.
- Designed and built a system for distributing computationally complex workloads across multiple on-demand cloud nodes.

Relevant Skills: Kubernetes, TypeScript, React, Go (lang), Node.js, Docker

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TestOil - Engineering - Strongsville, OH

Apr 2019 — Dec 2020

Senior Developer

Design, plan, and build the next major version of the Laboratory Information Management System. Develop internal mobile lab sample tracking app. Improve and develop new features for the customer data access portal. Mentorship of development team.

- Built a Slack app as UI for internal users to generate PDF reports (rendered in React) and search customer database.
- Built an in-house data export system using modular plugin architecture to extract, transform, and deliver data to customers via SFTP, email, or S3.
- Instituted methodologies and foundation for CI/CD across 14 projects. Migrated organization from BitBucket Pipelines to GitHub Actions to utilize private package repositories, consolidate services, and reduce costs.
- Designed and implemented a full-featured, self-service identity management solution using OAuth/OpenID to unify three separate antiquated user stores. Combined open-source and bespoke components with a full CI/CD pipeline, realtime routing, and network isolation.
- Redesign and refactor a progressive web app using more modern javascript and user testing practices.

Relevant Skills: TypeScript, Docker, React, Gatsby, Node.js, MSSQL, dotnet (C#), Docker Swarm, VisualBasic, ASP

Roundtable Learning - Engineering - Chagrin Falls, OH

May 2018 — Mar 2019

User Experience Architect

Design and implement a ground-up rebuild of the core twelve-year-old .NET application from database, through application services to the front-end. Create and evangelize a design system and component library as a first-class product and source for other products to consume.

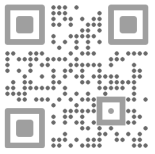
- Built a containerized JSON REST API for transcoding video into LMS-compatible SCORM training modules with 96% test coverage. Included well-documented, standalone client React component and CLI tool for batching jobs.
- Created a custom CLI tool that increased the efficiency of the entire engineering team.
- Transitioned company from monolithic subversion SCM to multi-repository git. Created tooling to automate parts of the transition. Trained both engineering and support teams.
- Implemented continuous integration for core product line and laid groundwork for fully-automated continuous deployment system.

Relevant Skills: JavaScript, TypeScript, Node.js, webpack, Docker, Babel, AWS ECS, AWS ElasticTranscoder, Hapi.js, Accessibility

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What I really like doing now:

CI/CD

Strength: **100%**
Experience: **5 years**

React

Strength: **100%**
Experience: **10 years**

TypeScript

Strength: **100%**
Experience: **8 years**

Node.js

Strength: **100%**
Experience: **13 years**

CSS/LESS/SASS

Strength: **90%**
Experience: **27 years**

Accessibility

Strength: **90%**
Experience: **9 years**

Kubernetes

Strength: **90%**
Experience: **4½ years**

Gatsby

Strength: **90%**
Experience: **7¾ years**

git

Strength: **90%**
Experience: **10½ years**

Linux

Strength: **90%**
Experience: **18 years**

Semantic HTML

Strength: **85%**
Experience: **24 years**

Design Systems

Strength: **80%**
Experience: **4 years**

webpack

Strength: **80%**
Experience: **8½ years**

Docker

Strength: **80%**
Experience: **6½ years**

Go (lang)

Strength: **80%**
Experience: **3 years**

Metabase

Strength: **80%**
Experience: **2 years**

Hapi.js

Strength: **70%**
Experience: **10 years**

Unit Testing

Strength: **60%**
Experience: **13 years**

l18n

Strength: **60%**
Experience: **11 years**

Docker Swarm

Strength: **40%**
Experience: **5½ years**

Babel

Strength: **30%**
Experience: **7 years**

PostgreSQL

Strength: **30%**
Experience: **2 years**

What I can do:

JavaScript

Strength: **100%**
Experience: **27 years**

Usability Testing

Strength: **70%**
Experience: **10 years**

Jira

Strength: **70%**
Experience: **7 years**

Illustrator

Strength: **60%**
Experience: **22 years**

AWS ElasticTranscoder

Strength: **50%**
Experience: **1 year**

dotnet (C#)

Strength: **50%**
Experience: **8 years**

Sketch

Strength: **50%**
Experience: **8 years**

MSSQL

Strength: **40%**
Experience: **4 years**

AWS ECS

Strength: **20%**
Experience: **1 year**

What I could be persuaded to do:

Photoshop

Strength: **50%**
Experience: **24 years**

Google Tag Manager

Strength: **25%**
Experience: **10 years**