


Yueun Kim

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
Summary

I'm a full-stack software engineer with a passion for collaborating to solve challenging problems. I have experience with the JavaScript, Ruby, and Go ecosystems. Most recently, I created [Cascade](#) , an open-source containerized application deployment solution with automated observability built with Node.js/Express, OpenTelemetry, React, and Terraform CDK for TypeScript.

Experience

2022 – present

Creator, Software Engineer

Cascade (<https://try-cascade.github.io> )

- Created Cascade, an open-source containerized application deployment solution with built-in support for observability
- Streamlined the build and teardown processes of AWS infrastructure creation using Terraform CDK for TypeScript
- Built an NPM package for tracing instrumentation compatible with AWS Distro for OpenTelemetry Collector and AWS X-Ray
- Crafted a solution for visualizing the real-time data of resource creation statuses
- Designed an API server for communication with the AWS SDK
- Automated deployment using Docker (images, docker-compose)
- Authored a comprehensive technical case study on design decisions and challenges of building Cascade
- Collaborated with a remote team of 4 engineers across 3 timezones using agile workflow

2021 – 2022

Software Engineer

Open-source web applications and Launch School experience

- Developed open-source software using Ruby, Node.js, Express, React, PostgreSQL, MongoDB, HTML/CSS, and more
- Selected projects:
 - Yarn Basket: a real-time webhook debugging tool with custom endpoints (Node.js, Express, Handlebars, MongoDB, PostgreSQL, DigitalOcean Droplet, Nginx, PM2)
 - The Shoppe: a database-backed e-commerce app (Node, React, MongoDB, Docker)
 - Flight Tracker: an SVG map for filtering and viewing airline routes (React, Docker)

2012 – 2021

Performed and instructed piano, and organized operations of an international piano festival

Skills

Backend

Node.js, Express, Ruby, Go,
PostgreSQL, MongoDB, RESTful
APIs

Frontend

JavaScript, TypeScript, React,
Next.js, HTML/CSS, Tailwind CSS

Tooling

Git/GitHub, Docker, Linux, Bash,
OpenTelemetry, AWS (S3, SQS,
EC2, ECS), Terraform

Education

Rice University, *Master of Music, Piano Chamber Music*

Northwestern University, *Master of Music, Piano Performance and Pedagogy*

Eastman School of Music, *Bachelor of Music, Piano Performance*