

Cody Williams

Software Engineer

✉ cody@codywilliams.dev 📍 Burbank, California 🖱 codywilliams.dev

Summary

I'm a full-stack software engineer who is fascinated by technology and loves using it to solve problems. Most recently, I built [Trellis](#): an open-source CI/CD deployment pipeline tool for teams who develop serverless applications on AWS. My favorite thing about software is that it's constantly evolving; I'm grateful that I'll be able to keep learning about it for the rest of my life.

Experience

Software Engineer / Co-Creator, *Trellis* - [trellis-deployment.github.io/](#) Aug 2022 – Jan 2023

- Worked with a remote team to engineer a fully-serverless CI/CD pipeline tool for serverless applications, designed with CDK to allow users to host the tool on their own AWS infrastructure
- Engineered a containerized build server that is provisioned on demand using AWS ECS to deploy user applications
- Developed an automated process for deploying code by registering a webhook URL on all GitHub repositories connected to the user's account
- Designed and implemented a serverless backend for managing deployment pipelines using AWS Lambda, AWS API Gateway, and AWS DynamoDB
- Built a dashboard for monitoring deployment pipelines using React.js, hosted on AWS S3 and delivered to users via AWS Cloudfront
- Sped up delivery of deployment logs to the front end by streaming them in real time using AWS CloudWatch and a WebSocket API
- Authored a comprehensive case study [on engineering Trellis to solve real problems for its users](#)

Software Engineer / Mastery-Based Learner, *Launch School* 2021 – 2022

- Completed a mastery-based curriculum focused on software engineering fundamentals
- Developed various personal and open-source software on the side. Some highlighted projects include:
- RequestBin: A Node.js application built with Express.js, MongoDB, and PostgreSQL to consume and monitor webhooks. Hosted on a virtual private server using Nginx as a reverse proxy
- AirRoutes: A Node.js application built with React.js that dynamically renders SVG airline routes as users filter API data by airport or airline
- Howdy: A P2P video chat application built with vanilla JavaScript, WebRTC (PeerJS), and WebSocket (Socket.io)

Commercial Account Manager / Broker, *Gallagher / Risk Strategies* 2018 – 2021

- Managed a successful book of business while working with a remote team in various aspects of risk management for film and tv production companies
- Consulted with business management firms to advise on, secure, and maintain all business-related insurance needs for their high-net-worth clients in the entertainment industry

Skills

Back-End

Node.js, Express.js, Ruby, Go, Python, PostgreSQL, MongoDB, REST APIs

Tooling

Linux, Docker, Git/GitHub, Nginx, Digital Ocean, Jest, Cypress

Front-End

JavaScript, TypeScript, React.js, jQuery, Next.js HTML, CSS, Webpack

AWS

CDK, SDK, Lambda, ECS, Fargate, DynamoDB, Cloudwatch, S3, EC2

Education

Software Engineering, *Launch School Mastery-Based Curriculum (16 months full-time)*

BA in Global Studies, *University of California, Los Angeles*