

Dylan Ang

Software Engineer

CONTACT

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EXPERIENCE

Software Engineer | October 2024 - Present

Pasal

- Designed and implemented a serverless API and asynchronous job queue using API Gateway, Lambda, PostgreSQL, and DynamoDB.
- Optimized backend processing times with asynchronous code, reducing per-request execution times by 60%.
- Led migration of the system from error-prone manual configuration to an Infrastructure-as-Code model using the AWS CDK to allow seamless deployment into isolated Production and Developer accounts.
- Designed a Serverless CDN and image optimization API to reduce origin bucket accesses by 80%.

Engineering Intern | June 2022 - September 2022

Arista Networks

- Automated manual QA processes, reducing over 100 hours of manual testing.
- Collaborated with cross-functional teams to deliver on non-technical stakeholder requirements.
- Learned TCP/IP networking fundamentals.

PROJECTS

Image Sharing App

Next.js, TypeScript, PostgreSQL, Amazon S3

- Built a scalable image-sharing service for photographers with QR code distribution.
- Implemented efficient storage and indexing of media files in S3 and PostgreSQL.
- Designed a user-friendly, SSR front-end in Next.js with JSON Web Token Auth.

<https://github.com/dy-ma/img-sharing>

EDUCATION

University of California, Davis | 2020 - 2023

Bachelor of Science in Computer Science | 3.84

AWS Certified Solutions Architect Associate

SKILLS

Python

Full Stack Web Development

AWS

TypeScript

PostgreSQL

DynamoDB

OpenTelemetry

C/C++

Go