Dylan Vu

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EXPERIENCE

Amazon Health (One Medical)

Software Dev Engineer I   Jul 2024 - Present

- Roll out Amazon Health's profile migration for users **across all 4 products** as the sole owner by delivering a **reusable Typescript React** package and **coordinating integrations** with 4 engineering teams
- Enhance GraphQL request **latency** for west coast users by 50% from 200 to 100 ms by migrating CORS preflight handling from a single-region monolith service to **AWS Cloudfront edge functions**
- Accelerate EHR monolith decomposition by resolving circular dependencies across 10+ Ruby packages, improving modularity and enabling microservice migration.
- Enable a **strategic initiative** to **decompose** EHR monolith into microservices by building and load testing a GraphQL AWS API Gateway with Apollo Federation prototype to decouple 2 key GraphQL microservices

Software Engineering Intern   Jun 2023 - Aug 2023

- Reduced Ruby unit test runtime by **21%**, saving **~$222k/year** or **3086** hours by optimizing object creation

Ansync Labs

Software Developer I   Dec 2021 - Sep 2022

- Ended a **week-long production halt** in an internal QA workflow for a **high-profile client's $1M+** preventative health device project by **independently diagnosing and repairing** Bash and Node.js **scripts**
- Prevented potential failure of an **entire IoT product line** by identifying 8 critical OTA firmware bugs through designing and implementing a TypeScript microservice to automate ESP32 firmware load testing

PROJECTS

epicdle.com | *React, Google Cloud Storage, Firestore, Cloudflare CDN, Next.js*   Sep 2025 - Present

- Develop and launch an engaging daily song guessing game with **600 daily active users** globally using TypeScript, React Next.js, Mantine UI, Google Cloud Storage, Cloudflare CDN, and Vercel
- Implement serverless cron workflows and cloud architecture to auto-generate daily challenges with zero downtime, optimizing cost and latency for up to **300k daily users within free-tier limits** through **caching**
- Cut data transfer amounts from **70 GB/day to 12 GB/day** and minimize Large Content Painting from 2 seconds to 0 for 600 daily users by serving assets on the edge and caching them locally

SKILLS

Languages: TypeScript, JavaScript, Python, SQL, HTML, CSS, Ruby, Java, GraphQL, Dart, C++, C

Backend / APIs: Node.js, Express, WebSockets, MongoDB, FastAPI, Flask, Firebase, AWS Lambda

Architecture & Design: Microservices Design, API Design, RESTful, Database Schema Design, HTTP

Frontend / UI / Mobile: React, React Native, Next.js, Mantine UI, Chakra UI, Flutter, Vercel

Infrastructure / Dev Ops: AWS CloudFront, AWS CloudWatch, Docker, Grafana, GitLab CI/CD, CircleCI

EDUCATION

M.S. Computer Science (AI), Georgia Institute of Technology   May 2028

B.S. Computer Science (Systems & Software), University of California, Irvine   GPA: 3.86 | June 2024