Nathan Pham

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Work Experience

Full Stack Developer - American Airlines   June 2022 - Ongoing
- Established **GraphQL** infrastructure responsible for flight bookings of millions of customers on the AA.com homepage.
- Redesigned and developed reactive web components in **Lit** spanning all of AA.com and servicing 65 million monthly users.
- Modernized workflows to automate tasks in our CI/CD pipeline, saving developers dozens of hours each week using **Github Actions**.
- Developed **Node.js REST** API services for consumption by the AA app, providing travel information to millions of registered users.
- Maintained **Kubernetes** clusters and managed traffic control of critical backend services, relied upon by 7 thousand flights daily for basic operation.
- Implemented a new **Angular** SPA that allows hundreds of daily users to view an interactive airport map from AA.com or in flight.

Front End Developer - The Madison Melle Agency   Feb 2022 - June 2022
- Launched user interface features across sites used by thousands of travelers and other shoppers.
- Built and maintained sites for a variety of luxury brands with various CDNs.
- Designed websites from the ground-up using provided branding material.
- Found solutions to problems that require outside the box thinking and pushing past the shortcomings of limited systems.

Full Stack Developer Internship - Beautycounter   June - Aug 2019
- Produced and enhanced **TypeScript** and **React-Redux** features used by over 1 million shoppers.
- Implemented policy controls for the Production Firestore NoSQL database, ensuring data security and integrity.
- Automated database back-ups through the use of serverless Google Cloud Functions.
- Improved the user experience (UX) by resolving user interface (UI) defects.

Technical Skills

Languages: Javascript, Typescript, CSS/HTML, SASS, C++, Python, Java, SQL, C, C#, Scala
Front-End: Lit, Angular, React, Node.js, JQuery, Bootstrap, Redux, Sass, Redux, Rollup, Apollo
Back-End: GraphQL, Amazon Web Service (AWS), Google Cloud Platform (GCP), Firestore, Kubernetes
Dev-Ops: Git, Github Actions, Linux, JIRA, Rally, Azure Dev-Ops, Slack
Other: Machine Learning, Information Security, Networking

Education

University of California, Riverside
Bachelor of Science in Computer Science   March 2020
Certifications