Brian Hoang

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ABOUT ME

Languages	Java · JavaScript · TypeScript · Python · C# · SQL · HTML · CSS
Frameworks	React · Node.js · ASP.NET MVC · React Redux · Entity Framework 6 · Flask
Tools	Terraform · AWS · Git · Microsoft SQL Server · MySQL · TortoiseSVN · Linux
Soft Skills	Leadership · Personal Relations · Management · Teamwork · Agile

Work Experience

Amazon Alexa – Secure AI Foundations   *Seattle, WA*
Software Developer Engineer   *Feb 2021 – Present*
· Created security controls for Alexa Voice Data built on AWS services such as API Gateway, Lambda, EC2, and Fargate.
· Created audit controls for Alexa Voice Data allowing for automated testing for reliability, accuracy, and privacy which reduced manual auditing by over 25%.
· Migrated internal service onto AWS cloud services reducing tickets by 75%.
· Led cross-team projects and improved documentation to reduce operational load by over 50%.
· Managed team resources to solve problems quickly and efficiently by pulling in the necessary service owners.

Amazon Alexa – Secure AI Foundations   *Seattle, WA*
Software Developer Engineer Intern   *Jun 2020 – Aug 2020*
· Designed and created internal facing APIs on AWS that dynamically created documentation from internal policies.
· Implemented a dashboard with React which utilized the API for internal customers to increase workflow productivity.
· Eliminated manual developer work to update documentation, inform policy owners, and to monitor releases by 100%.
· Updated and maintained documentation leading to reduction of onboarding question tickets by 50%.
· Held knowledge transfer sessions to assist teammates onboard onto the platform and teach the concepts of React and TypeScript.

Quad   *Sussex, WI*
Software Developer Intern   *Jun 2019 – Mar 2020*
· Streamlined user workflows by an hour effectively doubling their efficiency during client onboarding.
· Combined C#, SQL, React Redux, and TypeScript to create a dynamic UI for clients to customize their workflows using the ASP.NET stack and React Redux.
· Implemented changes to the database and UI which increased user productivity and responsiveness of application.
· Scaled applications to handle and process large data files to speed up workflows.

Personal Projects

Media Companion
Senior Capstone project created to convert playlists from Spotify to Youtube. Created with React, Flask, and MySQL hosted on AWS. Deployed AWS EC2 and RDS through Terraform.

Discord.js Bot
Developed a bot with commands and features using JavaScript and Node.js. Integrated with a MySQL server using MariaDB hosted on a Raspberry Pi 3. Commands vary from interaction with APIs from Youtube and Riot Games, to server management tools.

Education

University of Wisconsin- Milwaukee   *Milwaukee, WI*
Bachelor of Science, Computer Science   *Dec 2020*