Yichong (Eason) Guan

in Yichong (Eason) Guan | ✉ easonguan97@gmail.com | ☎ +1 647-517-3188

SKILLS

Language	C#, Java, Python, JavaScript, TypeScript, C, C++
Framework	Angular, React, .Net Core, Flask, Node.Js
Database	PostgreSQL, MySQL, Microsoft SQL Server, MongoDB, Firebase
Cloud	GCP, Azure, AWS

WORK EXPERIENCE

Geotab   June 2021 - Current

Software Developer

- Made key contributions to the architecture design of Identity Provider, Single Sign-On and User Management System by proposing alternatives to existing solution and building proof-of-concepts. The proposals were presented to and were approved by VP.
- Led the design and implementation of a customizable SSL/TLS certificate caching and management library which eliminates existed services failure related issue.
- Led the development of microservices that integrated between third-party applications such as PagerDuty and Grafana to be used by Internal Users within the company.
- Developed and maintained a microservice (backend) and the Server Status Page (frontend) for monitoring servers' health and status. The page serves 150K active users across North America, including departments from the US Government.
- Designed and Implemented a new Key-Hashing library to enhance software security by preventing potential key leaking. Approved and adopted by multiple applications (from different teams) in Production Environment.
- Participated in the Deployment of Geotab Applications in Production, Government and FedRamp Environment.

Nowsite Corporate   July 2020 - June 2021

Software Engineer

- Led the development, integration and deployment of a new automatic website building tool for the core Marketing Application; coordinated across front-end and back-end development in an agile environment. Improved user engagement by 18%.
- Designed SQL schema for new website building tool, migrated 40000+ customers' data and 200,000+ website data from the self-hosted server to Azure with zero downtime.
- Participated in architecture design and implementation of Identity Provider and Single Sign-On for core product with OAuth2.0 and OpenID Protocol.

SOTI   May 2018 - July 2019

Junior Software Developer

- Designed and implemented a Notification System for Next-Generation UI of core application.
- Designed and implemented a Display System for simultaneous real-time device location tracking in core application.
- Participated in the integration between core application and SOTI Identity Provider.

EDUCATION

University of Toronto   Sept 2015 - June 2020

B.S. with High Distinction in Computer Science