




DANIEL WEI

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SKILLS

Languages: C++, C#, Python, JavaScript, TypeScript, Java, HTML, CSS, SQL

Technologies/Frameworks: Node.js, Express.js, React.js, MongoDB, Mongoose, Redux, Kubernetes, Flask, Docker, Cloud Foundry, .NET, ASP.NET, MySQL, SQL Server, Git, Azure

EDUCATION

University of Waterloo

Bachelor of Software Engineering (BSE)

Sep 2020 – Apr 2025

Waterloo, ON

EXPERIENCE

BitGo

Software Engineer Intern

May 2024 – Aug 2024

Palo Alto, CA (remote)

- Developed **Node.js (TypeScript)** backend microservices used by cryptocurrency wallets on BitGo's platform
- Maintained and upgraded BitGo's **JavaScript SDK**, used for building multisignature cryptocurrency applications
- Implemented functionality to support root key creation and wallet derivation for Stellar (XLM) multisignature wallets
- Refactored the wallets backend codebase to facilitate a major **Mongoose** version upgrade from v6 to v7, improving overall **MongoDB** database query performance

Faire

Software Engineer Intern (Frontend)

Jan 2024 – Apr 2024

Toronto, ON

- Built and enhanced desktop webpages using **React.js (TypeScript)** for the company's central brand portal
- Revamped a Shopify app used by **100+ brands**, with a redesigned UI and enhanced UX for the app's data synchronization functionality between Shopify and Faire
- Enhanced the desktop brand portal webpage using **React.js** to improve mobile responsiveness and usability

Splunk

Software Engineer Intern (AR Backend)

May 2023 – Aug 2023

San Jose, CA

- Developed backend **APIs** and services for the company's augmented-reality mobile app, SplunkAR, using **Python**
- Created and updated frontend webpages using **React.js (TypeScript)** and **Redux**, used for AR configuration
- Integrated Splunk data monitoring hardware devices with SplunkAR via development of new backend services and endpoints, allowing users to easily deploy their devices in the AR environment
- Spearheaded the development of a feature using **Python, React.js, and Redux** to deliver dynamic, reactive AR worlds in SplunkAR, enabling guided troubleshooting of real-world issues

Super.com

Software Engineer Intern

Sep 2022 – Dec 2022

Toronto, ON

- Built and maintained **Python Flask** backend microservices for the company's **Fintech** product, SuperCash
- Designed new **API endpoints** to create a transfer scheduling service using **Python**, enabling users to be able to transfer funds to and from their accounts based on thresholds or schedules
- Led the development of a user transaction **data collection and analytics** functionality using **Google Analytics 4** and **AppsFlyer**, allowing marketing and growth teams to gauge the efficacy of their campaigns

Manulife

Cloud Engineer

Jan 2022 – Apr 2022

Toronto, ON

- Developed a web app using **Node.js, Express.js, Docker, and Kubernetes (AKS)** which was used to manage **100+** MongoDB Atlas projects across the company
- Expanded a **Node.js and NewRelic** based APM app that monitors numerous platforms and its services such as **Pivotal Cloud Foundry** to ensure **99.9%** uptime and success-rate
- Wrote scripts using **Python** and **Selenium** to automate user management on various development platforms, eliminating all manual work from the team

Assetsoft

Software Developer

May 2021 – Aug 2021

Markham, ON

- Created and integrated software using **Azure Functions** and **.NET** to automate and reduce menial work for **1000+** employees, and enable data flow between **7+** different insurance/property management platforms
- Revamped an existing **Azure Functions App** by decreasing resource consumption to reduce hosting and operations costs for the company by **50%**
- Designed and built a property management web app using **React.js, ASP.NET Core (Rest API)**, and **SQL Server** which was used by property admins to manage logistics for **30+** properties