Davison Tieu

Toronto, Canada · dkhac.tieu@gmail.com · 6479092375 · davisontieu.com

Summary

Fullstack developer (tech lead, architect) building experiences with TypeScript, React, & React Native.

Experience

OSF Management   Toronto, Canada
Principal Software Developer   Nov 2022 - Present

- Leading development of internal tooling for OTC trade desks & accounting staff
- Enabling cross-team collaboration with foundational work for a design system

Bitbuy   Toronto, Canada
Senior Software Developer   Mar 2020 - Oct 2022

- Wrote significant portion of code foundation, allowing team to reuse and rapidly iterate features.
- Actively engaged customers and product managers to better understand and improve products.
- Proposed and implemented CI/CD pipeline for automating build, test, and deployment processes
- Scaled team from 1 to 7 engineers, and stepped in as interim team lead

Lake Finance   Toronto, Canada
Software Developer   Aug 2018 - Mar 2020

- Played core role in architecture and development of Lake Trade - a decentralized, crypto-asset trading platform built on the 0x Protocol.
- Setup CI/CD pipelines for legacy, daemonized services to severless instances on Google Cloud Run with container images built using Google Cloud Build.
- Deployed a number of distributed microservices that handled pruning, validation, and creation of trade orders on Google Cloud Functions.
- Aided the launch of Lake Connect, a Standard Relayer API that lead to increased trading liquidity.

Dashdoc   Paris, France
Software Developer Intern   Jan 2018 - Apr 2018

- Streamlined mission signing process by building contact and license plate management through persisted Redux store regardless of internet connection.
- Utilized Celery to deploy Slack message tasks for customer metrics.
- Extended React Native component logic for zooming and panning images to fit specific needs.
- Reworked manager dashboard to allow for filtering, sorting, and applying multiple actions to missions list.

Tradable Bits   Vancouver, Canada
Software Developer Intern   Jan 2017 - Aug 2017

- Implemented REST API endpoints for the CRM platform and Tableau data connector.
- Reworked ticket statistics to support incremental refresh using PostgreSQL triggers, which reduced data manipulation execution time by 55%.
- Worked closely with Facebook's Graph API's to refine the creation and analytics of ads.
- Added multiple API key support per account for the developer's platform.

Skills

Languages:	TypeScript, JavaScript, Python, Rust, Solidity, R, C++, Java, SQL, C, Scheme
Frameworks:	React & React Native, ES6, Django, Firebase, GCP, AWS, Web3, Jest, MobX, RxJS

Projects

StarCoin *Solidity*
Smart contracts conforming to ERC-721 token standards that facilitate a marketplace for popular stars in the known universe.

Education

University of Waterloo   Waterloo, Canada
Bachelor of Mathematics, Statistics   Sep 2015 - Jan 2020