

Charles Zhang

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Skills

Languages: Go, Python, JavaScript (ES6+), C, C++, Kotlin

Technologies: Node.js, React, MongoDB, SQL, Memcached, Android, Neo4j

Work Experience

Wish, Software Engineer

Payments Team · San Francisco, CA · Sep 2019 - Dec 2019

- Implemented credit card CVV verification in **Python**, decreasing cart dropoff rate by **20%** while preventing account takeover fraud.
- Engineered an installment loan feature on Wish's **Android** app to allow users to pay in smaller monthly payments, increasing the gross merchandise value in Brazil by **8%**.
- Improved Wish's fraud system to avoid false positive results, saving **\$8M** annually in chargeback fees.

League Inc, Full Stack Developer

Integrations & Reporting Team · Toronto, ON · Jan 2019 - May 2019

- Architected web services in **Go** to facilitate membership reporting for clients in **multi-billion dollar** companies, increasing efficiency for League's Customer Success Team.
- Took ownership of the end-to-end integration between client HR system and League, automating the user and benefit update process for **3000+ users**, eliminating **hundreds of manual work hours**.
- Built a new invoicing dashboard using **React + Redux**, improving the visibility of invoice information to clients and the finance team.

ConsenSys, Full Stack Developer

Sobol · Kitchener, ON · May 2018 - Aug 2018

- Designed and built backend services using **Node.js** to calculate a project's progress from its objectives, allowing clients to better manage their projects and goals.
- Developed UI components using **React + Redux** that allowed users to define their roles across multiple teams, increasing transparency across an organization with **1000 employees**.
- Liaised with the product team and drafted a technical design document for a major product release, resulting in a smoother and faster development phase.

Projects

Receiptify 📄 Hack the North 2018, Sep 2018

- Won **Intuit QuickBooks Online API Prize** and **XE Currency Data API Prize**.
- Utilized OCR to parse receipts in any currency, allowing users to split expenses while traveling.

Lejr 📄 UofTHacks 2018, Jan 2018

- Won **Best REST API Prize** by RBC.
- Built a web application for users to request money from friends using Interac e-transfer.

Education

University of Waterloo, Sep 2017 - Apr 2022

- Bachelor of Computer Science Candidate, Major GPA: 90.5%