

Devin Zhou

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Education

University of Waterloo

Bachelor of Computer Science, Honours, Business Specialization (GPA: 3.7)

Sep 2019 – Apr 2024

Waterloo, ON

Work Experience

Wonolo | Backend Developer Intern

Ruby on Rails, BugSnag, OpenSearch, Scalyr, Castle.io, Unit.co Nomad, Consul

May 2023 – Aug 2023

San Francisco, CA

- Integrated geospatial search capabilities with Amazon OpenSearch, by implementing a robust indexing system to store job request data and allow for efficient querying using coordinates and other metadata
- Reduced payment processing time for W2 workers by collaborating with third-party payment/payroll services, ensuring timely payments within 24 hours leading to higher worker satisfaction and increased job fill rates
- Enhanced unit tests using gems like VCR to record and play back third-party service interactions, achieving repeatable results and significantly improving test speeds by 90% through the elimination of network requests

OANDA | Software Engineer Intern

Python, React, TypeScript, Cypress

Sep 2022 – Dec 2022

New York, NY

- Streamlined the registration process on the account Activation team using React, TypeScript, and Python to achieve a 25% increase in completed user applications
- Deprecated legacy backend services and replaced them with a new User API service in Python, resulting in a 20% improvement in API response times
- Orchestrated end-to-end testing across six different global regions using Cypress, leading to an 80% reduction in time for testing on GoCD pipelines through mocking backend calls

View the Space (VTS) | Software Engineer Intern

React, TypeScript, PostgreSQL, Go, GraphQL, Jest

May 2022 – Aug 2022

New York, NY

- Implemented user, credential, and permission management backend leveraging microservices to support real-time building access control with third-party integrations using Go and GraphQL
- Achieved test coverage above 80% for newly implemented features to harden the codebase by writing End-to-End and Unit tests using React Testing Library, Jest, and Go Testing Frameworks
- Developed a commercial real estate app with React/React Native, enhancing tenant and portfolio engagements

Genesys | Software Developer Intern

VueJS, TypeScript, StencilJS, StorybookJS, Jenkins

Sep 2021 – Dec 2021

Daly City, CA

- Developed Gamification UI into contact center solutions with VueJS, TypeScript, and HTML/LESS, driving a 35% increase in user/agent productivity and engagement through daily points based on performance
- Pioneered a reusable and interactive Gamification component library using StencilJS and StorybookJS to decrease development time by 20% and allow for scalability in future projects
- Created a webhook that synchronizes Jenkins build notifications with a Genesys chatroom

Communitech | Web Developer

JavaScript, HTML/CSS, CMS platforms

Jan 2021 – Apr 2021

Waterloo, ON

- Constructed user-friendly websites using HTML/CSS, JavaScript, and CMS platforms while leveraging SEO techniques to increase web traffic by 34%
- Directed the website development of 10 small businesses affected by COVID-19, consequently raising customer conversion rates and online sales by 35% and 18% respectively

Skills

Languages: Python, TypeScript, JavaScript, Ruby, Go, C++, SQL, HTML, CSS, C, R

Tools: ReactJS, Rails, GraphQL, Git, PostgreSQL, Jest, VueJS, Cypress, Jenkins, Figma, Linux, Docker