

Zahin Zaman

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TECHNICAL SKILLS

Languages: Python, Go, JavaScript/TypeScript, SQL, Rust, C++

Frameworks & Tools: Docker, AWS, GCP, Django, React, Flask, FastAPI, NumPy, TensorFlow, PyTorch

EXPERIENCE

1Password

Toronto, ON

Jr. Software Developer

July 2023 – Present

- Enhanced billing capabilities using Go and Stripe by refining invoicing system and subscription workflow
- Engineered automated customer reimbursement worker, refunding 2k+ invoices and saving \$45k+ in revenue
- Optimized subscription management processor, condensing average daily runtime from 6 hours to 45 minutes
- Spearheaded server-side invoice PDF generation project, addressing 300+ customer feature requests
- Automated taxation and notification processes for various countries and states

Software Developer Intern

Sep. 2022 – Dec. 2022

- Expanded Go web server that manages payments, subscriptions, tiers, and promotions using Stripe
- Significantly improved credit card form and payment flow user experience using React and TypeScript
- Dockerized billing microservice for Apply Pay and Play Store subscriptions using multi-staged Docker builds

Prodigy Education

Toronto, ON

Full-Stack Developer Intern

Jan. 2022 – Apr. 2022

- Maintained OAuth 2 and OIDC identity service built on Ruby on Rails
- Leveraged multi-staged Docker builds to optimize production server image size by 58.4%
- Designed and documented Apache Kafka calls to stream server events for data tracking

Nokia

Ottawa, ON

Full-Stack Developer Intern

May 2021 – Aug. 2021

- Implemented authentication security, automated blogs, and voucher system for Nokia Network Developer Portal
- Incorporated Django REST Framework to establish permissions, cross-site scripting protection, and honeypots
- Composed unit tests for forms, models, and API endpoints, improving coverage for entire codebase by 10%

Wind River Systems

Ottawa, ON

Software Developer Intern

Sep. 2020 – Dec. 2020

Qualcomm

Markham, ON

Hardware Verification Engineer Intern

Jan. 2020 – May. 2020

Imagine Communications

Toronto, ON

Embedded Software Developer Intern

Jan. 2019 – Apr. 2019

PROJECTS

Sigmoid Academy | sigmoid-academy.netlify.app

Jan. 2022 – Present

- Orchestrated Django backend to handle JWT authentication, database management, and remote-code execution
- Authored 19 data science and machine learning coding challenges, including introductory tutorials
- Managed authentication and maintenance of user base of 200+ using PostgreSQL and Redis databases

STUMPY | github.com/TDAmeritrade/stumpy

May 2021 – Aug. 2023

- Published comprehensive tutorials on Matrix Profile annotation vectors based on research paper
- Implemented tiling scheme algorithm that leverages cache lines to improve computation speeds by up to 50%
- Devised heuristic algorithm that can provide fast approximation to Matrix Profile

EDUCATION

University of Waterloo

Waterloo, ON

B.A.Sc. in Electrical Engineering

Sep. 2018 – Apr. 2023

- Graduation with Distinction (GPA: 85.9/100)
- Specialization in Artificial Intelligence