

# Zahin M. Zaman

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## TECHNICAL SKILLS

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

**Frameworks:** Django, React, Flask, FaskAPI, NumPy, TensorFlow, PyTorch

**Developer Tools:** Git, Docker, Google Cloud Platform

## EXPERIENCE

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### 1Password

Toronto, ON

*Jr. Software Developer*

*July 2023 – Present*

- Enhanced billing capabilities using Go and Stripe by refining invoicing system and subscription workflow
- Spearheaded server-side invoice PDF generation project, addressing 300+ customer feature requests
- Attentively upgraded Stripe SDK and API on large scale web server by 4 major versions
- Automated taxation and notification processes for various countries and states
- Investigated and addressed 80+ billing related customer inquiries and support requests

*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

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**Sigmoid Academy** | *Python, Django, React, TypeScript, PostgreSQL, Redis*

*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 150+ using PostgreSQL and Redis databases

**STUMPY** | *Python, NumPy, Numba, SciPy*

*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

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### 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