

# Zahin Zaman

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🌐 [linkedin.com/in/zahin-zaman](https://www.linkedin.com/in/zahin-zaman) | 🐙 [github.com/alvii147](https://github.com/alvii147) | 🖥 [zahin-zaman.vercel.app](https://zahin-zaman.vercel.app)

## TECHNICAL SKILLS

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

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

## EXPERIENCE

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### 1Password

Toronto, ON

*Software Developer*

*Mar. 2025 – Present*

- Diagnosed and resolved complex invoicing defect in Stripe integration, recovering \$300k+ in annual revenue
- Automated tax notification process over 13 countries and respective regions, significantly reducing manual effort

*Jr. Software Developer*

*July 2023 – Feb. 2025*

- 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 internal invoice PDF generation service, addressing 300+ customer feature requests

*Software Developer Intern*

*Sep. 2022 – Dec. 2022*

- Managed subscription tier upgrade/downgrade logic through Stripe integration in Go and feature flags
- 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** | [sigmoid-academy.netlify.app](https://sigmoid-academy.netlify.app)

*Jan. 2022 – Present*

- Orchestrated Django backend with JWT authentication, GitHub OAuth, and remote code execution
- Authored 20+ data science and machine learning coding challenges, including comprehensive tutorials
- Managed authentication and maintenance of user base of 200+ using PostgreSQL and Redis databases

**STUMPY** | [github.com/TDAmeritrade/stumpy](https://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

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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