Zahin M. Zaman

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TECHNICAL SKILLS

Languages: Python, Go, JavaScript/TypeScript, SQL, Rust, C++
Frameworks: Django, React, Flask, FastAPI, NumPy, TensorFlow, PyTorch
Developer Tools: Git, Docker, Google Cloud Platform

EXPERIENCE

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

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

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