

## Education

2021 **Honours Bachelor of Science**, *University of Toronto*  
Statistics, Computer Science

## Professional Summary

Versatile Software Engineer with expertise in full-stack development, DevOps practices, and system optimization. Skilled in leveraging modern frameworks and tools to deliver innovative solutions, with a proven track record of leading projects, mentoring developers, and integrating advanced AI capabilities into existing platforms.

## Skills

Programming Languages	TypeScript/JavaScript, Python, Bash, Java, C/C++, PHP, SQL
Frameworks and Libraries	React.js, Spring Boot, Django ORM, SQLAlchemy
Tools	Docker, Git, Node.js, Nginx, Jenkins, Ansible, GitLab CI, Gerrit
DevOps	Containerization, CI/CD pipelines
Other	CloudFlare API, SELinux, Android Build Systems

## Experience

- 2022–Present **Full Stack Engineer**, TitanFile Inc
- Reviewed and enhanced code quality through code reviews, improving maintainability and reducing bugs.
  - Collaborated with the DevOps team to migrate legacy systems to containerized environments using Docker.
  - Led development of Microsoft 365 integration in Python and TypeScript using WOPI specification, enabling seamless document editing and viewing.
  - Spearheaded internal hackathon project integrating ChatGPT to optimize user workflows and enhance user experience.
  - Refactored core application views from untyped JavaScript to TypeScript, improving code readability and reliability.
  - Resolved performance bottlenecks in PDF watermarking, reducing memory usage by 20%.
  - Provided technical onboarding and mentorship for new developers, fostering a collaborative team environment.
- 2016–2017 **Teaching Assistant**, *Software Tools and Systems Programming*, University of Toronto
- Led programming tutorials, aiding students in debugging assignments and improving their technical skills.
  - Evaluated programming submissions, delivering detailed feedback to guide student improvement.
  - Supported course assessment by proctoring exams and coordinating with faculty for grading.

## Contracts

- 2022–2023 **Client Management System**, *South-Asian Women's Rights Organization*, Toronto
- Redesigned a legacy CMS using Django backend and React.js frontend, ensuring scalability and maintainability.
  - Implemented a REST API to facilitate secure data exchange between MySQL database and frontend.
- 2022–2023 **Website**, *Promatec Solutions*, South Africa
- Built a responsive website and email solution in collaboration with another developer.
  - Utilized Docker for streamlined deployment and Gerrit Code Review for team collaboration.
  - Automated DNS record management using a Python script integrated with CloudFlare API.

## Projects

- 2015–2019 **Android Custom ROMs**
- Maintained kernel support for legacy Samsung devices, extending compatibility to Android 10.
  - Analyzed system logs to debug builds and crafted SELinux policies to enhance security.
  - Implemented forward compatibility libraries for proprietary OEM components, ensuring seamless upgrades.
  - Deployed automated build pipelines using Jenkins and Gerrit, streamlining development and collaboration.