Vincent Zvikaramba

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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 **Software 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.