

# Vincent Zvikaramba

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## Education

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### University of Toronto

*Honours Bachelor of Science*  
Statistics and Computer Science

2021

## Professional Summary

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Full Stack Engineer with extensive experience designing and implementing scalable, user-centric solutions. Proficient in modern web frameworks, RESTful APIs, and cloud infrastructure, with a strong focus on delivering seamless user experiences and optimizing system performance. Adept at collaborating across teams, mentoring developers, and integrating innovative technologies. Skilled in translating design concepts into responsive interfaces, improving system performance, and leading collaborative projects.

## Skills

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**Programming Languages:** TypeScript/JavaScript, Python, Bash, Java, C/C++, PHP, SQL

**Frameworks and Libraries:** React, Spring Boot, Django ORM, SQLAlchemy, Guice, Gson

**Tools:** Docker, Git, Node.js, Nginx, Jenkins, Ansible, GitLab CI, Gerrit

**Databases:** MySQL/MariaDB, Redis

**DevOps:** Containerization, CI/CD pipelines

**Other:** CloudFlare API, SELinux, Android Build Systems

## Experience

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### TitanFile Inc

Toronto

*Full Stack Engineer*

2022–Present

- Reviewed and enhanced code quality through rigorous code reviews, improving maintainability and reducing bugs.
- Translated Figma designs into fully responsive and interactive frontend components using React and TypeScript.
- Leveraged React Context API to manage state between components, improving the scalability and maintainability of the application.
- Collaborated with the DevOps team to migrate legacy systems to containerized environments using Docker.
- Led design and implementation of Microsoft 365 integration using Python and TypeScript, enabling seamless document editing.
- Spearheaded internal hackathon project integrating ChatGPT to optimize user workflows and enhance user experience.
- Refactored outdated JavaScript views into TypeScript with React, improving readability and minimizing uncaught bugs.
- Resolved performance bottlenecks in PDF watermarking, reducing memory usage by 20%.
- Onboarded and mentored new developers, fostering a collaborative team environment and ensuring seamless integration into the tech stack and workflows.

### University of Toronto

Toronto

*Teaching Assistant (Software Tools and Systems Programming)*

2016–2017

- 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

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### South-Asian Women's Rights Organization

Toronto

#### *Client Management System*

2021–2023

- Redesigned a legacy CMS using Django backend and React frontend, ensuring scalability and maintainability.
- Designed and deployed REST APIs to facilitate secure, efficient data exchanges between MySQL database and client interfaces.

### Promatec Solutions

South Africa

#### *Website*

2021

- Built a responsive website and email solution in collaboration with another developer.
- Built and deployed a responsive web application using React and Node.js.
- Built and deployed email solution using bespoke containers running postfix and dovecot.
- Utilized Docker for streamlined deployment and Gerrit Code Review for team collaboration.
- Automated DNS record management for website and email solution using a Python script integrated with CloudFlare API.

## Projects

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### *Automated MMO Client*

2018–2019

- Decompiled and debugged obfuscated game client code to identify and modify core functionalities via injection and reflection.
- Designed and implemented custom UI elements with Swing and AWT to improve user interaction.
- Automated in-game navigation using breadth-first search and A\* search algorithms.

### *Android Custom ROMs*

2015–2019

- 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.
- Automated build pipelines using Jenkins and Gerrit, optimizing development and collaboration workflows.