Vincent Zvikaramba

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Education

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

Skills

Programming	Typescript/Javascript, Python, HTML, CSS, Java, C/C++, PHP, SQL, Bash
Tools	Docker, Git, Node.js/Npm, Backbone.js, Underscore.js, Django ORM, GitLab CI, Celery, Nginx, Ansible
Frameworks and libraries	React.js, Socket.IO, Celery, JQuery, Java Collections, Guice, Gson, Guava, Lombok, JUnit, Spring Boot, SQLAlchemy

Interests

Electronics	I enjoy tinkering with hardware at every level. Particularly enjoyed working with FPGAs and Verilog in university for programmatic circuit design.
Reading	I come from a family of avid readers; I'm usually reading research articles, documentation or spec sheets for miscellaneous electronic components.
Music	I love listening to and playing music on guitar.

Experience

2022–Present — **Software Engineer**, TitanFile Inc

- Reviewed other developers' code as part of code reviews and participated in daily stand-up meetings summarizing daily progress
- Worked with the Ifrastructure Manager as part of the DevOps team to improve deployment process and migrate to using containerization/orchestration using Docker
- Improved display of embedded images in emails sent via application's Outlook integration plugin
- Identified and optimized memory usage issue for pdf watermarking process
- Worked as a project leader on an internal hackathon to develop an integration with ChatGPT to leverage the power of AI to improve the user experience
- Developed Microsoft 365 integration using Microsoft's WOPI specification from scratch to enable viewing and editing documents within the application, implementing new code in TypeScript using React.js framework
- Rewrote frequently used views such as the generic dialog and PDF viewer in TypeScript using React.js and JSX/TSX to increase reusability and readability
- Helped onboard and train new developers, particularly on the tech stack and DevOps practices

2016–2017 — **Teaching Assistant**, *Software Tools and Systems Programming*, University of Toronto

- Instructed students in tutorials and helped them troubleshoot and identify bugs in programming assignments
- Graded programming assignments and provided feedback for improvement
- Worked as part of course TAs to proctor tests and mark test papers

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2022–Present   **Client Management System**, *South-Asian Women's Rights Organization*, Toronto
- Worked as the lead developer of a two-person team to (re)write the client management system that was initially written in Flask and hand-written SQL code
- Rewrote the CMS using Django as the backend, MySQL as the database and React.js and TS/ES6 for the frontend
- Designed REST backend using and Django to handle passing client data between the SQL database and frontend

2022–Present   **Website**, *Promatec Solutions*, South Africa
- Collaborated with another developer to build a website and e-mail solution for Promatec
- Used docker for containerisation and easy deployment of services
- Deployed and leveraged Gerrit Code Review for collaboration and code review
- Wrote a python script hooking into the CloudFlare API for managing DNS records required or used in application containers
- Used Node.js as web server and as the backend for APIs exposed to the frontend
- Used React.js for UI component design and reuse

2015–2019   **Android Custom ROMs**
- Maintained support for Samsung devices originally running Android versions 4.0 through 6.0, allowing them to run newer Android versions up to and including Android 10 (Q)
- Maintained kernel code provided by the phone and board OEMs (Samsung, Qualcomm), backporting upstream security fixes, new kernel features and driver updates to legacy code
- Developed userspace android system tools and interposing libraries to provide forward compatibility for newer versions of Android to proprietary OEM libraries and programs
- Customised and created Makefiles for use with Android's various build systems (Make, Ninja)
- Deployed Jenkins for cautomated builds with Gerrit for code review and collaboration with GIT as the VCS backend