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 ad part of code reviews and participated in daily stand-up meetings summarizing daily progress
- Worked with senior developers as part of DevOps team to improve performance and security of tools/infrastructure used for development
- 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 to enable editing documents within the web application, implementing new code in TypeScript and using React.js

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 a team of TAs to proctor tests and mark test papers

Projects

2022–Present **Client Management System**, *South-Asian Women's Rights Organization*, Toronto
- Worked as part of a team to build a client management system for SAWRO's client database
- Used Python and Flask to write the web application
- Used an ORM (SQLAlchemy and Django) to interact with the SQL database
- Rewrote CMS in Javascript and Python3 using Django ORM and MySQL for the backend and React.js and TS/ES6 for the 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, 5, 6.0,
- Maintained legacy kernel code and backported new kernel code
- Developed tools and user-space interposer libraries for forward compatibility of proprietary libraries and programs with future android releases
- Maintained Makefiles for use in the build system
- Deployed Gerrit for code review and collaboration and Jenkins for builds and continuous integration