

RUSSELL ODHIAMBO

Full Stack Software Developer

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SUMMARY

Experienced software developer with expertise in C++, Python, JavaScript, QML, Rust, ReactJs and ReactNative Frameworks. Skilled in programming Full Stack web, desktop and mobile applications using the aforementioned frameworks and Languages.

EXPERIENCE

IT and Software Developer Intern

CASCINATION AG

📅 Ongoing 📍 Bern

- I developed a package creator automation tool using **python** and **QML** which helped in the generation of packages that were crucial for the installer of the client-side application. improved the company's standard of procedure.
- Helped in maintaining the company's ERP by building new and/or debugging existing **FileMaker applications**.
- Created a FileMaker **custom plugin** which could interpret a C++ code into high level Javascript Code using **Web Assembly**.
- Learned and Developed Simple **Robot Operating System (ROS)** applications.
- Contributed in debugging and refactoring of an existing code base.

IT Attachee

CDC

📅 May 2022- July 2022 📍 Nairobi

- Maintained Database servers by regularly checking for data errors and hardware defaults
- Troubleshooting and monitoring network using **Wireshark**
- Automation of tasks through Batch and bash scripting
- Scheduling crontabs (backups, maintenance and general automation)

EDUCATION

Masters in Computer Science

University of Bern

📅 Ongoing 📍 Bern

Bsc. Information Technology

Kenyatta University

📅 2017 - 2022 📍 Nairobi

Kenya Certificate of Secondary Education

Mang'u High School

📅 2013- 2016 📍 Nairobi

PROGRAMMING LANGUAGES

C++	Proficient	Javascript	Proficient
QML	Proficient	Python	Proficient
Rust	Good	Solidity	Good
SQL	Good		

LANGUAGES

English	Fluent	Swahili	Native
German	Beginner		

STRENGTHS

★ Proficient programmer: uses industry standard practices to implement highly efficient, maintainable and readable programs.

★ Strong Collaborator: collaborated with fellow colleagues on different projects to deliver high quality software on time.

★ Ability to work in a fast-paced environment and handle multiple projects simultaneously.

★ Quick learner: able to quickly learn and grasp new/emerging technologies.

SKILLS

- Web Development
- Database Design and Management
- Test-driven development
- RESTful API development
- Software Engineering
- Desktop Application Development
- Mobile Application Development

PERSONAL PROJECTS

★ Developed a Blockchain Network - in the pursuit to deeply understand how blockchain technology works, I developed a full stack functioning peer-to-peer blockchain network using NodeJs, pubs/sub paradigm and bitcoin-like proof of work consensus algorithm. Project link: [\(https://github.com/ellrussbest/Blockchain/\)](https://github.com/ellrussbest/Blockchain/)

★ Developed Online Javascript compiler - to deepen my Javascript understanding, I developed a full stack online Javascript transpiler, bundler and compiler. Project link: [\(https://notebook-hazel.vercel.app/\)](https://notebook-hazel.vercel.app/)

★ Developed a web3 marketplace - with web3 as an emerging technology, I used this project to develop an online decentralized marketplace using Solidity to be current with the emerging technology. Project link: [\(https://marketplace-eth-five.vercel.app/\)](https://marketplace-eth-five.vercel.app/)