

Gabriel Weiner

WORK EXPERIENCE

Metacom

Cape Town, South Africa

Intermediate Software Engineer

Dec 2024 - Present

- Completed a new deliverable embedded product using Arduino, HTTP calls, and threads and integrated the new product into Metacom's production software and official build process to flash, program, and test the device.
- Oversaw the training and onboarding of the new software engineer hire.
- Maintained software repos by debugging, extending, and investigating new solutions for automation and production.
- Automated Support Center tasks saving around 5000 hours a month of manual work by creating a full-stack solution for device diagnostics using Python.
- Voted as "Innovator of the Year" by colleagues.

Junior Embedded Software Engineer

Nov 2023 - Present

- Completed an embedded system deliverable for a major client using threads, daemons, GStreamer libraries, and web sockets that are being launched in their 'Store of The Future'.
- Extended in-house GUI platforms to test our hardware using QT, leading to automated testing capabilities in the production department.
- Successfully implemented backend solutions to an Arduino project while integrating MQTT technology to update configuration settings on the device to allow batch firmware updates over the air.
- Developed full-stack solutions for our production app in Java, automating printing and linking of serial numbers while also aiding in extending the capabilities to flash firmware to a device.
- Helped write CPP unit tests to enhance our development process.
- Was responsible for the management of interns and mentees of the Metacom Foundation.
- Implemented a full-stack solution for remotely recording tests via in-house software.

Software Engineer Internship

Dec 2022 - Jul 2023

- In 2023, completed two internship rounds at Metacom where I researched and proved various concepts to assist with product development and delivery using MQTT, C++ and SQL.

Xploited Media

Cape Town, South Africa

Content Creator, SEO Specialist

Jan 2020 - Dec 2022

- Successfully increased traffic to various client websites using SEO tactics, creating content and doing keyword research.
- Created SEO content including 'corner stone' pages and blogs.
- Completed on-page optimisation.

EDUCATION

Stellenbosch University

South Africa

Bachelor of Science in Computer Science

Graduation Date: Nov 2023

Greenwood Bay College

South Africa

Cambridge AS Levels

Graduation Date: Nov 2017

SKILLS & INTERESTS

Skills: Object Orientated Programming, Algorithms and Data Structures, Concurrency, Networking, Web Development, GIT, AGILE development, CI/CD methodologies, MQTT, Java, C, C++, Python, Apache technologies

Interests: Problem solving, implementing AI technologies, volunteering, nature, reading books, philosophy, meditation, mindfulness