Ibrahim KAIKAA

Software Developer, and Open Source Contributor

Algeria, Oran
Bir El Djir
ibrahimkaikaa@gmail.com
https://mrunix.me/

EXPERIENCE

PhazeRo — *Mobile Developer*

DECEMBER 2024 - PRESENT

- Worked on the GUP Mobile App.
- Implemented the video calls feature for Signbook Mobile App.
- **Technologies used :** Flutter, BLoC, Provider, Git, GitHub, GitLab.

Research In English — *Web Developer*

DECEMBER 2024 - PRESENT

- Multiple layout fixes and performance improvements for the website.
- Added multiple features to the internal tools.
- **Technologies used :** HTML, CSS, JavaScript, Node.js, Express.js.

SerenityOS — *Open Source Contributor*

DECEMBER 2023 - JANUARY 2024

- Optimized +5 GML-based GUI applications by porting them to a GML Compiler.
- Updated +10 out of date software ports.
- **Technologies used :** Operating Systems, Shell Scripting, C++, Git.

FlexFret — *Mobile Developer Intern*

JUNE 2023 - DECEMBER 2023

- Developed a mobile app for freight transportation and management.
- Implemented a functional CI/CD for unit-testing and deployment using Gitlab CI.
- **Technologies used :** Flutter, BLoC, Firebase, Git, GitLab CI.

HardenedBSD — *Open Source Contributor*

FEBRUARY 2022 - MAY 2023

- Fixed +50 broken software ports for the HardenedBSD operating system.
- **Technologies used :** Operating systems, FreeBSD, HardenedBSD, Shell Scripting, Git.

EDUCATION

University of Science and Technology of Oran — *Bachelor's of Science in Electrical Engineering*

SEPTEMBER 2022 - JUNE 2025

PROJECTS

SPL — *An interpreted programming language*

JUNE 2024 - AUGUST 2024

- A statically typed, interpreted, VM-based and garbage collected programming language.
- Achieves 20-150% better runtime performance than Python.
- **Technologies used :** C++, CMake, Lex, Yacc, Git, Github Actions, Google-Test.

StargateProxy — *An HTTP Proxy*

JUNE 2024 - JULY 2024

- An HTTP Proxy featuring support for TLS Tunneling and caching for optimization.
- **Technologies used :** Go, Git, Docker, Networks Programming.

SKILLS

Programming and Scripting Languages: Bash, C, C++, Dart, Go, JavaScript, TypeScript, x86 Assembly.
Web Technologies: HTML, CSS, Express.js.
Frameworks and Libraries: Flutter, BLoC, QT.
Testing and debugging tools: Google-Test, Unity, GDB, Valgrind.
DevOps and Tools: Git, Docker, CMake, Meson, Makefile, GitLab CI, GitHub Actions, QEMU.
Databases & Backend: Firebase, Supabase, MySQL, SQLite.
Operating systems: Linux, FreeBSD, HardenedBSD, OpenBSD.
Methodologies and practices: Scrum, TDD, SOLID, Hexagonal Architecture, Clean Code, MVVM.
Other: Lex, Yacc, Hugo, Markdown, QML.

LANGUAGES

Arabic, English, French