Sayafdine **Said**

SOFTWARE ENGINEER · DEVOPS ENGINEER

France

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Experience

DevOps/Software Engineer (Apprenticeship)   La Défense, France
SOCIÉTÉ GÉNÉRALE   Sep 2022 - Present

Maintained an internal PaaS in **Python** based on **Kubernetes** and **Postgres** with a **Vue.js** web interface, used by 100+ developers inside the Private Cloud Platform of the bank
- Improved monitoring data quantity by 90% thanks to a more detailed logging system using **Python** advanced features
- Reduced the rate of support requests by 50% with the introduction of more intuitive components and better error reporting on the web interface

Google Summer of Code Contributor   Remote
FreeBSD   May 2022 - Sep 2022

https://musikid.github.io/blog/rewrite-pjdfstest/

Rewrote `pjdfstest`, a test suite for file systems used by **FreeBSD** on UFS and ZFS, in **Rust** to improve performance and usability
- Decreased execution time by 99% with lower abstraction levels to the kernel and configurable sleep time
- Increased configurability with 10+ parameters by introducing a configuration file to customize the suite behavior

Education

Sorbonne University   Paris, France
M.S. IN COMPUTER SCIENCE - NETWORKS/DEVOPS   Sep 2023 - Sep 2024

Cloud native networks, Development security, Development of reticular applications, DevOps tooling, Entrepreneurship

Sorbonne University   Paris, France
M.S. IN COMPUTER SCIENCE - NETWORKS/SECURITY | *Magna cum laude*   Sep 2022 - Jun 2023

Network architecture, Project management, Systems and network for businesses, Routing in networks, Mobility and Wireless, Cloud computing and virtualization

Sorbonne University   Paris, France
B.S. IN COMPUTER SCIENCE | *Cum laude*   Sep 2019 - May 2022

Data structures, Concurrent programming, Basis of operating systems, Networks, Introduction to bioinformatics, Databases, Object-oriented programming, Computer architecture, Web development, Comparative programming, Introduction to chemistry

Projects

gateau - CLI to use cookies from browsers in curl requests   ⬡ musikid/gateau
MAINTAINER   Dec 2022 - Present

Implemented a CLI and library in **Rust**, to extract from **SQLite** cookies databases of browsers in less than 10ms and convert to Netscape **cookies.txt** or **curl/wget/httpie** requests

chwitter - Twitter clone   Website
SCHOOL WORK   Mar 2022 - May 2022

Wrote a Twitter clone in **TypeScript** with **React** and **Node.js/Express.js** for the **REST** API and a **MongoDB** database

aws_ec2_manager - CLI to manage AWS EC2 instances   ⬡ musikid/aws_ec2_manager
SCHOOL WORK   Mar 2022 - Mar 2022

Implemented a CLI in **Python** using **boto3** and **typer** to manage AWS EC2 instances and security group rules from the command line.

howdy - Software to provide facial recognition authentication on Linux   ⬡ boltgolt/howdy
OPEN SOURCE COLLABORATOR   Dec 2022 - Present

Lowered the authentication time by 80% by rewriting the **Linux PAM** module into a faster **C++** one

Skills

Languages	**Golang**, **TypeScript**, **Rust**, Python, C/C++, Shell, SQL
Technologies	**Kubernetes**, **Vue.js**, Prometheus, React, Ansible, Helm, GraphQL, Linux, PostgreSQL
Spoken Languages	**French (C2)**, **English (C1)**, Spanish (A2), Swahili (A2), Arabic (A1)