

KAMAL OUFERKACH

COMPUTER SCIENCE STUDENT

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xyrant.me

EDUCATION

2022-2024

UM6P-1337 BEN GUERIR

- Computer science

2020-2022

IBN ZOHR UNIVERSITY

- Physical science

2019-2020

SIDI DAOUD HIGH SCHOOL

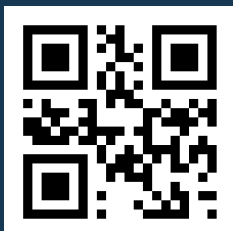
- Physics and chemistry

SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication

LANGUAGES

- English (Fluent)
- Arabic (Native)



Scan the Qr for more information

PROFILE

Computer Science student at UM6P's 1337 Department, skilled in software development, system programming, and DevOps. Proficient in C, C++, Python, and Bash, and I am passionate about DevOps and its concepts.

PROJECTS

Web Application

Devops & Backend & Team Leader

- Designed a secure microservices architecture with RESTful APIs and Nginx reverse proxy serving as a APIs Gateway.
- Established a robust monitoring infrastructure using Prometheus and Grafana , enabling real-time visibility into system metrics and proactive issue detection.
- Configured data exporters and integrations to capture metrics from different services, databases, and infrastructure components
- Developed a secure authentication, profile system using JWT, Django rest framework and Postgres(SQL), allowing users to subscribe safely.
- Built a custom Grafana dashboards and visualization, with a secure authentication and access control mechanisms to protect sensitive monitoring data.
- Led the development of the web application by distributing tasks and ensuring effective communication and assistance within the team.

Services Infrastructure

Devops & System Administrator

- Deployed WordPress website, using Docker and Nginx as a webserver.
- Built a custom containerization system from scratch, replicating core Docker functionalities.
- Developed a deep understanding of virtualization, system isolation, and Linux namespaces.

HyperVault

Software Developer & Team Leader

- Developed a high-performance HTTP web server in C++, focusing on efficient request handling, connection management, and resource allocation.
- Implemented multi-threading and asynchronous processing, optimizing server scalability and performance under high traffic loads.

Vm Launcher

System Administrator

- Mastered Linux installation, partitioning, kernel configuration, and automation using shell scripting.

TECHNICAL EXPERTISE

- Programming Languages: C, C++, Python, Django, Django Rest Framework
- DevOps: Linux, Bash scripting, Docker, Nginx, Redis, Prometheus, Grafana, Netdata, Microservices
- Databases & Authentication: PostgreSQL, MariaDB, JWT, Relational databases
- Version Control & Tools: Git, Adminer, FTP
- Software Development & Security: Algorithms, Data Structures, Concurrency