

BERCHIL Idriss

Software & Network
engineering student



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🧠 HARD SKILLS

Backend Frameworks

Django, Spring boot, Node, FastAPI, Flask

Relational Databases

SQL Server, Oracle SQL, MySQL

NoSQL Databases

Redis, MongoDB, Hbase, Hive

Operating systems

Linux, Windows server, OpenBSD, Hadoop

Cloud platforms

AWS, Azure

Tools

Jira, Azure DevOPS, Azure, AWS, Jenkins, Git, Docker, Bash, Wireshark, Nmap, Tcpdump

Agile Methodologies for project management

Scrum, Kanban, Iterative, Incremental

🧠 SOFT SKILLS

Soft skills

Flexible, Empathic, Creative, Collaborative

School clubs

Google Developer School Club EMSI Casablanca,
IEEE Student Branch EMSI CASA, Deep Dev

📜 CERTIFICATIONS

Python for Everybody

University of Michigan

PCAP Certificate

Python Institute

Unix System Basics

Codio

Learning Linux for LFCA Certification

Learnquest

🌐 LANGUAGES

Arabic — Native

English — Advanced

French — Intermediate

🎓 EDUCATION

Network & Software Engineering Degree

Moroccan School of Engineering Sciences (EMSI)

2022 – 2025

Specialized Technician in Computer Development

Specialized Institute of Applied Technology (OFPPT)

2020 – 2022

Baccalaureate in Physical and chemical science

Jabri Institution

2018 – 2019

💼 PROFESSIONAL EXPERIENCE

DevOPS Engineering - Internship | SYMOLIA

15/07/2024 – 30/09/2024

- Implement a CI/CD Pipeline
- Implement unit tests within the pipeline
- Implement Integration tests within the pipeline
- Install and configure tools for planification and version control
- Coordinated in a team using Scrum and agile methodologies
- Containerize the project using Docker

DOTNET Developer - Internship | OFPPT

19/07/2022 – 19/09/2022

- Design and create a relational database using SQL Server.
- Used C# programming language and .NET Framework to develop a desktop application.
- Implement CRUD (Create, Read, Update, Delete) functionalities to allow users to perform database operations from the softwares interface.

Web Developer - Intership | ADVANSYS

01/04/2022 - 29/04/2022

- Used Django as a backend framework with Python.
- Configured login features using the Django authentication system.
- Design and implementation of database models using Djangos ORM

📁 PERSONAL PROJECTS

LinkedList

- Create C++ header files.
- Dynamic heap memory allocation.
- Use Pointers to tie between objects.

Web Scraper

- Scrape the web using python.
- Save the data in a Relationnel Database.

Web terminal

- Forked from github
- Modify next source code
- Deploy web app using vercel

ARP Lover

- Scan machines in a local network.
- Spoof machines identity within the 2nd layer of the OSI Model.
- Protect against attacks and Manipulation tactics to the ARP Protocol.

📁 ACADEMIC PROJECTS

Social Media Platform

- Use JDBC with MySQL to create Database Tables.
- Developed the Backend with Spring MVC.
- Developed the Frontend with the Reflex Framework.
- Use RestAPI and DTO to communicate the Frontend with the Backend.
- Create an image with Docker

LL Derivation

- Create a Syntactic Analyser with C++.
- Apply the Principles of Object Oriented Programming.

PRIM Algorithm

- Create a Minimum Spanning Tree for a Weighted Undirected Graph.
- Created with Python and Jupyter.