Oumaima Hrete

Software Engineer

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Education

- Mohammed VI Polytechnic University – 1337 School | Digital Technology Architect Since 2021
  - Unix, System Programming and advanced C / C++
  - Data Structures & Algorithms
  - Network System Administration
  - Graphics, DevOps

- Lycee Technique Mohammed V | BTS-SRI Diploma 2018-2020
  - System Administration
  - Networking

- Ibnou Sinaa High school | Physical Sciences Baccalaureate 2018
  - Math, Physics

Projects

- Ping-Pong online Game
  - Managed both the front-end and back-end of the game with Angular and NestJs.
  - Integrated Prisma as Object Relational Mapping to interact with Databases using PostgreSQL.
  - Implemented Socket.io for the interaction between the server side and the client part.
  - Configured Dockerization process using Docker Compose and network management

- Docker Containerization
  - Configured multiple services (Nginix, MariaDB and WordPress) as containers using Docker and docker compose, built images from scratch in Dockerfiles, connected through a docker-network.

- Minimized Shell in C
  - Implemented Shell commands, and multiple features such as redirections, pipelines and signal handling from scratch.

Experiences

- Full-Stack Developer At 01 Neo
  - Developing multiple platforms using React-js, Java-script, Nest-js, Express-js, Mysql, Prisma, Docker, Git

- Freelance
  - Developing various web applications using Angular, Type-Script, Nest-js, Postgresql, Prisma, Docker, Git

Skills and Interests

- Programming languages
  - C, C++, Typescript, JavaScript, Bash

- Tools, software & frameworks
  - Git, Vs code, Docker, PostgreSQL, ORM, NodeJs, NestJs, Angular, Tailwind

- Soft Skills
  - Problem-solving, Teamwork, Adaptability, Time management

- Spoken languages
  - Arabic (Native), English (Professional working proficiency), French (Professional working proficiency)