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OBJECTIVE

A recent graduate from the Higher National School of Information and Communication in Algiers, with a State Engineer's degree in Network and Telecommunication Systems. While this course helped me get a deeper understanding of networks and telecommunications, it also introduced me to all different fields of computer science: from cloud computing to Internet of Things, I am an initiate at nearly every domain. Throughout my curriculum however, I found myself becoming more passionate about Software Engineering more than anything. On my free time, I developed my skills in different programming languages and learned different frameworks and systems. I bolstered my skills with knowledge on database management, artificial intelligence and data science, skills that are not necessarily required for a good software engineer but are always worth having. With a solid base in networking, I found learning things like APIs even more intuitive. Overall, the concepts I've learned in Network Engineering transferred seamlessly into knowledge base for my software development passion projects (and my end-of-course project). With my degree obtained, I now seek employment opportunities where I'd preferably be able to use my skills in software engineering above all else, with my skills in network engineering and other domains being a mere bolster/bonus to my primary field of expertise.

EDUCATION

State Engineer in Network and Telecommunication Systems

Sep 2019 - Jun 2024

Higher National School of Information and Communication • Algiers, Algeria

Graduated with a State Engineer's degree (Master's equivalent) with excellent ratings. Relevant coursework:

- Familiar with informational network basics.
- Very knowledgeable on software engineering.
- Intermediate at artificial network technologies.

Additional activities:

- Participated and won in coding competitions/hackathons.
- Instructed in programming workshops.

- Completed several passion projects.

SKILLS

- **Programming Languages:**
 - Java (4 years)
 - Python (4 years)
 - C++/C# (1 year)
 - JavaScript (1 year)
- **Documentation Markup/Notation Languages:**
 - HTML/CSS (2 years)
 - XML (4 years)
 - JSON (4 years)
- **Development Frameworks and Methodologies:**
 - Agile (1 year)
 - Scrum (1 year)
- **Databases:**
 - MySQL (4 years)
- **APIs and UI/UX:**
 - APIs (3 years)
 - UI development (3 years)
- **Software Development:**
 - Back-end web development (3 years)
 - Desktop development (4 years)
 - Android development (4 years)
- **Software Development Tools:**
 - Android Studio (4 years)
 - PySide/PyQt (3 years)
 - Spring Boot (1 year)
 - Flask (3 years)
- **Specialized Fields:**
 - Internet of Things (1 year)
 - Machine Learning (2 years)
 - Deep Learning (1 year)
- **Core Competencies:**
 - Problem solving
 - Teamwork
- **Version Control:**

- Git (4 years)

WORK EXPERIENCE

Intern

Feb 2024 - Jun 2024

Icosnet SPA • Algiers

Completed end of studies project consisting of a tailored professional calendar solution built on nest.js following the fundamentals of clean architecture, and optimized with AI-assisted scheduling using the deep learning technique known as Long-Short Term Memory.

Remote Intern

Aug 2023 - Sep 2023

INSY2S • Lille, France

Gained experience with:

- Software engineering in team environments (concepts such as Scrum/Agile) and using collaborative tools (Discord/GitHub/Trello)
- The Spring Boot Java framework.

Intern

Jul 2023 - Jul 2023

ALGERIE TELECOM • Constantine, Algeria

Gained experience regarding the optical network infrastructures of ALGERIE TELECOM, namely the SDH system, and specifically the Metropolitan Layer of the network.

Intern

Jun 2021 - Jun 2021

ATM MOBILIS • Constantine, Algeria

Experience with traditional mobile network systems: GSM, GPRS and UMTS.

LANGUAGES

- English - Fluent
- French - Intermediate
- Arabic - Fluent

