

BENAHMED Djawed

COMPUTER SCIENCE ENGINEER · MOBILE/WEB DEVELOPER · CYBER SECURITY ENTHOUSIASTE

Tlemcen, Algeria

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Education

ESI-SBA (Higher School of Computer Science)

Sidi Bel Abbès, Algeria

ENGINEERING AND MASTER DEGREE IN COMPUTER SCIENCE

Sep. 2017 - Jun. 2022

- Graduated with an engineering degree with a project entitled "Trading bot based on Deep Reinforcement Learning"
- Graduated with a master's degree with a thesis entitled "Trading using Deep Reinforcement Learning"

Skills

Mobile-dev Android native, Jepack, Xml, Dagger, Clean Architecture, MVVM, MVP, RxJava, Flutter, Bloc

Back-end Django, REST API, Django Rest, Spring-boot, NodeJs

DevOps Docker, Ansible, Gitlab CI, Circle CI, FastLane

Front-end Redux, React, NextJs, HTML5, CSS, Bootstrap

Machine-Learning TensorFlow, PyTorch, Keras, Raylib, Pandas, NumPy, Matplotlib

Programming Java, Kotlin, Python, Dart, Java-Script, Bash

Soft Skills Strong communication, Time management, Adaptability, Teamwork, Leadership

Languages Arabic, English, French

Experience

Sobiapi

Algiers, Algeria

PRODUCT DEVELOPMENT TEAM LEAD

Nov. 2022 - Present

- Led a team of three developers in the conceptualization, design, and launch of several successful product updates.
- Utilized agile methodologies to manage product development, ensuring efficient and effective project management.
- Built fully automated CI/CD pipelines on GitlabCI for containerized applications using Docker.
- Built fully automated deployment system for different services using Ansible.

Sobiapi

Algiers, Algeria

ANDROID DEVELOPER

Aug. 2022 - Dec. 2022

- Maintained **Genius NF525** Android applications, utilizing Java and Kotlin, and integrated with Spring Boot and nodeJs based backend systems.
- Developed and maintained RESTful APIs using Spring Boot and Spring Security.
- Worked with web services, databases, and other back-end systems to ensure seamless integration between the Android front-end and the Spring Boot back-end.

SwissDigiLab.

Switzerland (Remotely)

FULL-STACK DEVELOPER

Sep. 2020 - Jun. 2022

- Developed Flutter mobile application for the **Zenbooking** platform.
- Developed and maintained the **Zenbooking** platform utilizing Django Rest Framework for the back-end and Next.js for the front-end.
- Developed and maintained management system platform for **Swiss Gun Center** utilizing Django Rest Framework for the back-end and React.js (Material-UI) for the front-end.
- Collaborated with cross-functional teams, including product managers, designers, and QA engineers, to deliver high-quality and user-friendly products.

Undergraduate Research at SwissDigiLab

Sidi Bel Abbès, Algeria

RESEARCHER

Jan. 2022 - Jun. 2022

- Researched trading using deep reinforcement learning.
- Developed a crypto currency trading bot based on deep reinforcement learning.

Freelance

Tlemcen, Algeria

FULL-STACK DEVELOPER.

Mar. 2019 - Jul. 2020

- Develop and maintain Android applications using Java and Kotlin.
- Build and implement RESTful APIs using Django Rest framework for consumption by mobile applications.
- Managed and delivered projects on-time and within budget while communicating effectively with clients throughout the development process.

Extracurricular Activity

CTF (Capture the Flag) Competitions Participation

Algeria

CTF PLAYER

2019 - PRESENT

- Participated in several Capture the Flag (CTF) competitions, utilizing my knowledge of computer security and ethical hacking to solve complex challenges.
- Developed skills in areas such as penetration testing, reverse engineering and web security by solving challenges in these categories.
- Improved my problem-solving and critical thinking skills by analyzing and understanding different attack scenarios and vulnerabilities.

CTF (Capture the Flag) Competitions Organization

Algeria

ORGANIZER

2019 - PRESENT

- Organized and managed Capture the Flag (CTF) competitions for my school scientific clubs, utilizing my knowledge of computer security and ethical hacking to create challenging and engaging competitions.
- Developed a wide range of challenges that covered areas such as penetration testing, reverse engineering, and web security.
- Analyzed the results of the competitions and provided feedback and recommendations to the participants and the club.

Cybersecurity Workshop Facilitation

Sidi Bel Abbès, Algeria

MEMBER

2020 - 2021

- Facilitated several cybersecurity workshops for my school scientific clubs.
- Developed and delivered engaging and informative presentations on topics such as network and reverse engineering.

Honors & Awards

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| 2021 | Finalist , CSAW Cybersecurity Games & Conference |
| 2021 | 2nd Place , BSIDES ALGIERS ANNUAL EVENT |
| 2021 | 2nd Place , The Annual Hack.INI Event |
| 2020 | Finalist , CSAW Cybersecurity Games & Conference |

Algiers, Algeria

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Certifications

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| 2022 | Coursera , Fundamentals of Reinforcement Learning | Link |
| 2021 | Coursera , Structuring Machine Learning Projects | Link |
| 2020 | Coursera , Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization | Link |
| 2020 | Coursera , Neural Networks and Deep Learning | Link |
| 2020 | Coursera , Machine Learning | Link |