



CONTACT ME

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SKILLS

- **Software Architecture:** Modeling, simulation, and design of distributed systems (microservices).
- **Development :** Mobile, web, Agile methodologies, and CI/CD.
- **Networks :** Firewalls, VPN, Network administration (configuration and management), Network protocols.
- **Cloud Computing :** Strong foundation in cloud services such as AWS and Firebase, with knowledge of cloud system architectures.
- **Artificial Intelligence :** Machine learning and deep learning, with particular expertise in transformer-based models.
- **Big Data & Analytics :** Data processing and management (Apache Spark, Pandas, Matplotlib).
- **Graphic Design :** Branding for social media, UI/UX design, and visual creation (Figma, Canva).

Anis ZOUAGHI

Computer Engineer

24-year-old computer engineer with a true passion for technology and software development. Currently working as a software engineer at DzExpert, where I enjoy tackling architectural challenges and implementing enterprise-level solutions.

EDUCATION

Sep 2021 - Jul 2023

Master Degree in Distributed Systems and Networks

Constantine 2 Abdelhamid Mheri University

Project : BERT-based NLP Sentiment Analysis task for COVID-19 Tweets
Ranking 32/85

Sep 2018 - Jul 2021

Bachelor Degree in Information technology

Constantine 2 Abdelhamid Mheri University

Project : Modeling and Development of an Online Order Management Mobile Application
Ranking 14/108

Sep 2015 - Jul 2018

Baccalaureate Degree

Didouche Mourad High School

Grade : Good

CERTIFICATIONS

Advanced React Certification

From: Meta & Coursera Issued: Nov 2023

AWS Cloud Practitioner Essentials Certification

From: AWS & Coursera Issued: Oct 2023

Computer Vision Certification

From: Kaggle Issued: Aug 2023

NVIDIA DLI Certificate - Fundamentals of Deep Learning

From: NVIDIA Issued: Aug 2023

WORK EXPERIENCE

Software Engineer

Mar 2024 - Now

SARL DzExpert I Algiers, Algeria

- Collaborated with front-end and back-end teams to design custom ERP solutions using Odoo, following the Agile (Scrum) methodology.
- Administered and secured Linux servers to ensure stable and high-performance environments.
- Integrated CI/CD pipelines to automate testing and deployments.
- Performed thorough QA testing and fixed bugs to ensure project stability.
- Development of Android applications for:
 - Task Management: Optimized employee task tracking.
 - Balance Management: Facilitated access to transactions and balances.
 - Expense Management: Improved purchasing processes with invoice capture.
 - Market Analysis: Monitored prices and optimized stock management.
 - Business Intelligence: Developed an application to track and analyze sales, stock, tasks, partner balances, stock valuation, and import operations.

PROGRAMMING LANGUAGES

- C
- Dart
- PHP
- Java
- Python
- JavaScript

FRAMEWORKS

- React.js
- Flutter
- Laravel
- Django
- TensorFlow
- Apache Spark
- Odoo

LANGUAGES

Arabic Mother tongue

English

French TCF C1

VOLUNTEERING

Midev Club 2019 - 2022

- **Role :** Graphic Designer and Workshop Facilitator
 - Organization and participation in workshops and events.
 - Creation of graphic content for events.
 - Facilitation of web development workshops.

GDG Constantine 2020 - 2023

- **Role :** Graphic Designer and Web Developer
 - Graphic design and website development for events.
 - Organization and management of events on the university campus.

Intern in Network Management

Jun 2022 - Aug 2022

AYRADE I Algiers, Algeria

- Participation in network management projects.
- Optimization of network infrastructure.
- Use of Cisco routers, switches, and Nagios.
- Implemented VPNs to secure communications.
- Monitored network performance with SNMP.

Full-Stack Web Intern

Jun 2021 - Sep 2021

AYRADE I Algiers, Algeria

- Contributed to the development of an e-commerce web application.
- Used Django Rest Framework (DRF) and SQL for managing orders and inventory.
- Integrated a dashboard with data analysis using Pandas to track sales and inventory management.
- Participation in front-end development.
- Tracked the development cycle from design to deployment.

ACADEMIC PROJECTS

Sentiment analysis using NLP based on BERT ★ Master's thesis project

- Development of a model based on Google BERT for sentiment analysis of COVID-19 related tweets.
- Data preprocessing to improve the model's quality.
- Use of transformer-based neural network algorithms.

Distributed System for Passport Applications

- Simplification of passport applications using service-oriented architectures.
- Key services: "Civil Status" for identity verification, "Criminal Record" for background checks, and "Security Status" for assessing security.
- Transition from SOAP/REST to a microservices architecture for greater scalability.

Implementation of Blockchain using the JADE platform

- Development of a decentralized blockchain network on the JADE platform.
- Implementation of key features: transaction structure, block structure, and overall blockchain architecture.
- Inclusion of mechanisms such as data hashing, data transfer, proof of work, and mining mechanisms.

Library Management System with Oracle and PL/SQL

- Implementation of an object-oriented system to manage library entities (documents, journals, volumes) with Oracle and PL/SQL.
- Use of optimized procedures and objects to enhance member management and book lending and return operations.

Centralized Name Server in Java RMI for Distributed Systems.

- Development of a centralized name server for distributed systems using Java RMI.
- Implementation of data structures and algorithms for efficient mappings between files and servers.
- Client interaction with the name server for remote file access, using Java RMI for communication.
- Objective: Improve the efficiency and reliability of distributed file operations.

Mobile Application for Online Order Management ★ Bachelor's thesis project

- Development of two Flutter applications, one for customers (to browse restaurants, view menus, and place orders) and the other for managers (to receive, process, and organize orders, modify menus).
- System architecture with Apache server, Laravel, MySQL database providing JSON responses to the client and manager applications.

Inventory Management System in C

- Development of a C program for managing a store's inventory.
- Implementation of a basic database using files to store information.
- Command-line interface for easy interactions and clear menus.