

# Mohamed Dhia Zoghلامي

Ariana, Tunisia

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## Personal Profile

As an aspiring software engineer, I am a highly motivated and passionate individual with a strong foundation in programming and problem-solving. Throughout my academic journey and personal projects, I have honed my skills in various programming languages and gained hands-on experience in developing efficient and innovative solutions. With a keen eye for detail and a dedication to continuous learning, I am eager to embark on my professional journey and make a meaningful impact as an entry-level software engineer. My drive to create impactful software solutions, coupled with my commitment to excellence, makes me a valuable candidate for this position. I am excited about the opportunity to contribute my skills and grow with your esteemed organization.

## Education

### ESPRIT

Ariana, Tunisia

Software Engineering Degree

Sept 2020 - Sept 2023

- **Courses:** Algorithms and Data Structures with C, OOP with java, UML, SQL databases, Linux, NoSQL databases(mongodb), Frontend frameworks, Backend frameworks, n-tier architecture, Statistical Theory and Methods, Graphs, Complexity, Linear programming, Networking, Security, Learning Skills through Case Studies and Projects, DevOps, Microservices, UX Design

### Faculty of Science FSB

Bizerte, Tunisia

Bachelor Degree in Applied Mathematics

September 2016 - June 2020

- **Courses:** Calculus, Algebra, Structured programming, Algorithms and applications, Coordinate and vector geometry, Differential equations, Probability, Statistics, Analytical and computational foundations, Problem solving methods

## Experience

### Progress Engineering

El Ghazela, Ariana, Tunisia

Full Stack Software Engineer Intern

March 2023 - September 2023

- Independently developed a business opportunities management application.
- Developed authentication and authorization of the application
- Built the logic for managing customers, contacts, opportunities, users, offers, contracts, projects, tasks, bills.
- Added statistics and commercial agent's scores for the admin to always be able to review his team members performance.
- Built the cloud infrastructure using IaC tool.
- Added a CI/CD pipeline for an automated delivery and deployment.
- **Technical Skills:** ReactJs, Springboot, MySQL, AWS ECS+ECR+Fargate, AWS codePipeline, AWS codeBuild, AWS RDS, AWS S3, AWS CloudFront, Docker, Git
- **Soft Skills:** Time Management, Problem Solving, Presentation skills.

### Numerys

Lac 2, Tunisia

Full Stack Javascript Developer Intern

June 2022 - September 2022

- Collaborated with a four-person team to develop a web application that let users post motors to sell, contact an owner to buy a motor, get reservation to repair a motor for a french company.
- Developed authentication and authorization of the web application
- Built the logic for managing products(motors) of the application and the reservation system.
- Added payment methods such as Stripe and ScalaPay.
- Added some crud operation and filtering to the admin dashboard.
- **Technical Skills:** AWS, DynamoDB, API Gateway, Lambda, Cognito, Amplify, CodeCommit, Javascript, Html5, CSS3, SASS, ReactJs, Redux tool-kit, NodeJs, ExpressJs
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

### SMEG

Bizerte, Tunisia

Full Stack Javascript Developer Intern

June 2021 - July 2021

- Collaborated with a person to build an e-commerce web application of electronic products.
- Designed the database models and collections, and designed the user interface of the web app.
- Helped to create an Admin dashboard.
- Added create, read, update, delete functionalities to the products with filtering and sorting.
- Added statistics to the admin dashboard
- **Technical Skills:** Html5, CSS3, Bootstrap, Javascript, ReactJs, NodeJs, ExpressJs, MongoDB, Git.
- **Soft Skills:** Time Management, Communication, Logical Thinking, Problem Solving.

# Academic Projects

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## Microservices of an ERP system

ESPRIT

- Analysing the complexity of the project and the challenging problem then broke the problem into simpler modules.
- Contributed to add CRUD operations on departments, employees and managed to make the connection between these 2 microservices.
- Collaborated with four-person team to add functionalities to the admin Panel.
- **Technical Skills:** Java, Springboot, Javascript, NodeJs, ExpressJs, Mysql, MongoDB, ReactJs, Docker, Git.
- **Soft Skills:**Leadership, Time Management, Teamwork, Presentation skills, Report writing.

## DevOps Project

ESPRIT

- Installed and configured Vagrant to manage the VM.
- Added a continuous integration using Jenkins.
- Used Docker to facilitate the development of the project using containers.
- Added quality testing with SonarQube.
- Added unit testing using Junit.
- Added repository management tool - Nexus
- Added a continuous monitoring using Prometheus and Grafana.
- **Technical Skills:** Java, Springboot, Mysql, Jenkins, SonarQube, Junit, Nexus, Maven, Shell, Prometheus, Grafana, Docker, Git.
- **Soft Skills:**Time Management, Presentation skills.

## E-learning Platform

ESPRIT

- Collaborated with a five-person team to develop a full stack web application of an e-learning platform with an AI powered chatbot.
- Created category table and developed the crud operations necessary for both front-office and back-office.
- Created badge table and developed the crud operations which let a student get a badge automatically after course completion depending on the level of the course.
- Added a chatbot and managed to make it functional for the client side and the server side with a very small amount of response time using google DialogFlow.
- **Technical Skills:** Html5, CSS3, Bootstrap, Javascript, ReactJs, NodeJs, ExpressJs, MongoDB, DialogFlow, Redux tool-kit, Git.
- **Soft Skills:** Presentation skills, Teamwork, Logical Thinking, Report writing..

## Store Management App

ESPRIT

- Contributed to build an Admin Panel which help to manage a store.
- Created product table and added the crud operations necessary.
- Created a Landing page and All products page to show every product and added sorting, filtering and pagination.
- **Technical Skills:** Java, Springboot, Typescript, Javascript, Angular, Html5, CSS3, Bootstrap, Git.
- **Soft Skills:** Report writing, Logical Thinking, Team Work.

# Skills

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**Programming**    Html, CSS, Javascript, Java, ReactJs, NodeJs, Springboot, ExpressJS, MySql, MongoDB  
**Miscellaneous**    Linux, Shell, Docker, AWS, Git.  
    **Soft Skills**    Time Management, Teamwork, Problem-solving, Logical thinking, Communication.

# Languages

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**English**    Professional proficiency  
**French**    Professional proficiency  
**Arabic**    Native proficiency