

# ZIED KHARRAT

Tunis, Tunisia

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## Professional Experience

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### Backend Developer

Nov. 2023 – present

*Wecraft, Part-time*

*Tunis, Tunisia*

- \* Building data models and reliable, secure REST APIs with Redis and MongoDB databases for automated testing.
- \* Setting up a robust user administration API integrating Keycloak for authentication.
- \* Migrating the project's codebase to Spring Boot 3.2.x and refactoring according to Spring's latest documentation.
- \* Managing Docker containers for the frontend and Keycloak server.

### Full-Stack Developer

Jul. 2023 – Sep. 2023

*Avidea, Internship*

*Tunis, Tunisia*

- \* Collaborated within a SCRUM framework and Agile philosophy to streamline project management.
- \* Developed ERP features using Angular 16, Spring Boot 3 and a PostgreSQL database under a REST API architecture.
- \* Participated in the refactoring of the employee-leave management system.

## Education

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### ICT Engineering student

Sep. 2021 – present

*National Institute of Applied Science and Technology (INSAT)*

*Tunis, Tunisia*

- \* Passed a two-year pre-engineering cycle, currently a first-year engineering student.
- \* Took relevant courses in database administration, software architecture, network administration & security, Linux, and various labs in programming (C/C++, Python, Java, Arduino) and automation (Telegraf, Grafana, InfluxDB, Ansible).
- \* Activities and societies: Member of IEEE INSAT Student Branch, Strategic Ops Manager with Junior Enterprises Global, formerly Secretary General of Junior Enterprise INSAT, won first place in HackUp's Hack the Workplace hackathon.

## Projects

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### Development of a Virtual Desktop deployment platform | *EduBox*

Mar. 2024 – present

- \* EduBox is a web platform that allows users to deploy minimal-configuration Docker containers as virtual desktops with a GUI for code execution and learning purposes.

### Development of a Full-Stack claim management application

Jul. 2023

- \* A Spring Boot/Angular application for managing automobile insurance claims with a complete authentication system.

### Development of a virtual productivity assistant | *Optimate*

Mar. 2023 – Apr. 2023

- \* Optimate is a React web application providing features such as task-management, focus timer and assistance chatbot.

## Skills

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- \* Programming languages: C, C++, Java, Python, JavaScript, TypeScript
- \* Web development: HTML5, CSS, React, Node.js, Next.js, Angular, Spring Boot, Bootstrap, Tailwind, REST APIs
- \* Databases & tools: MySQL, PostgreSQL, MongoDB, Redis, Git, GitLab, Docker, Jenkins, Ansible, Linux, Kubernetes
- \* Languages: Professional proficiency in Arabic, French and English, limited working proficiency in German

## Certifications

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Microsoft Azure Fundamentals (AZ-900), IBM Container & Kubernetes Essentials, CCNA Introduction to Networks, CCNA Switching, Routing and Wireless Essentials