AJJEL ALA

sofware engineer

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SUMMARY

I am a passionate and dedicated software engineer known for my tireless work ethic and commitment to solving complex challenges. With a deep enthusiasm for innovative thinking and forward-looking solutions, I excel in seamlessly integrating cutting-edge technologies into projects. Whether working independently or collaboratively, I prioritize clear communication with both technical and non-technical stakeholders, fostering synergy and consistently delivering impressive results. My keen analytical mind allows me to dissect complex problems, and my meticulous approach ensures the delivery of high-quality, reliable code. I am an avid learner, continuously seeking opportunities for professional growth and skill expansion, with a strong track record of adapting to new challenges and staying ahead of industry trends.Presently, I am actively pursuing my six-month final year internship opportunities, eagerly seeking the best opportunities and challenges to contribute my skills and expertise.

EXPERIENCE

Software Engineer

Yaiglobal   06/2023 - 09/2023   Technopole el Ghazela, Ariana

YaiGlobal is the pinnacle of data annotation solutions, offering the Yai365™ platform – an automated, scalable, and AWS-optimized system that ensures 100% process automation, quality assurance, scalability, and traceability.

- Designing and deploying a distributed external configuration microservice within a microservices architecture. This microservice centralize configuration data for all other microservices and operated on a Node.js/Express.js backend with a React user interface for manipulating configuration values.
- Guaranteeing real-time, secure, and seamless communication with relevant microservices through Redis Pub-Sub messaging pattern.
- Deploying the configuration service in a containerized environment, seamlessly integrating it with existing microservices, and laying the groundwork for future integration with forthcoming microservices.
- Enhancing the configuration service to seamlessly integrate it into CI/CD pipelines.

Software Engineer/researcher

Vilmorin Mikado   12/2022 - 05/2023   Angers, France

the world's third-largest seed producer. As a global leader in vegetable seed innovation. is driving innovation at the forefront of sustainable farming, leveraging computer science to shape the future of agriculture.

- developing, training, and optimization and comparing computer vision algorithms for real-time object detection across a spectrum of optimized platforms and devices (android, Jetson Nano).
- Architecting a dynamic pipeline that seamlessly combines real-time detection of fields with sophisticated anomaly prediction and detection through feature extraction.

Software Intern

Microtechnic   06/2022 - 09/2022   Sousse, Tunisia

Microtechnic is a visionary leader in crafting high-performance plastic components. Their unwavering commitment to co-development, series production, and innovative problem-solving is emblematic of their unparalleled expertise in tackling complex projects.

- design and developing a sever-side application that automates the process of ordering premier materials.
- design and developing of android application connected to the server-side application to tacle problems of lacks of between departments of ordering.

ACHIEVEMENTS

ENSI (National school for computer science):

Professional Full-Stack web application, developed using Angular and Laravel, dedicated to connecting clients and service providers :

. Implementation of the service listing feature for service providers on the 'Ijeni' platform, enabling comprehensive and detailed presentation of their offerings.
. Creation of a user interface for viewing and filtering services offered by providers, allowing clients to browse and select services that meet their specific needs.
. Implementation of a direct contact mechanism between clients and service providers, facilitating communication and negotiation of offers.
. Integration of a security layer using JSON Web Tokens (JWT) to ensure the authenticity and confidentiality of information exchanges.

ENSI :

Full Stack mobile application developed using Spring Boot, Flutter, and MongoDB technologies, dedicated to an online library:

. Design and development of a comprehensive authentication system, providing users with secure login and registration features.. Creation of a modern and user-friendly interface that allows users to browse available books, including top-rated books, trending books, and categorized book listings.
. Integration of a user preference-based recommendation model, allowing the system to suggest books based on the user's previous likes and preferences.
. Implementation of a premium account, providing the ability to view and download desired books, thereby offering an enhanced experience for premium users.

ENSI :

Realistic and modern driving simulator for learning driving and road rules in Unity:

. Design and development of a modern game application for urban driving learning, providing a user-friendly experience and high-quality graphics.
. Integration of various difficulty levels, each featuring real driving obstacles and challenges, allowing players to apply their driving skills in diverse situations.
. Creation of levels specific to each driving rule, accompanied by in-game interactive instructions and tutorials simulating real-world driving situations, ensuring that players understand and correctly apply road rules.

SOFT SKILLS

Leadership and Conflict Management   *

Teamwork and Adaptability   *

Time Management   *

Motivation and inspiration   *

EDUCATION

Final year computer science engineer specialized in software Engineering

National School for computer science
09/2023 - Present   Manouba, Tunisia

Final year of a Master degree in Intelligent Systems

National School for computer science
09/2023 - Present   Manouba, Tunisia

Second year computer science engineer specialized in software Engineering: succeded from first session with fairly good mark well ranked.

National School for computer science
09/2022 - 06/2023   Manouba, Tunisia

First year computer science engineer : succeded from first session with fairly good mark well ranked.

National School for computer science
09/2021 - 06/2022   Manouba, Tunisia

Diploma Degree for first cycle studies in Mathematics and Physics with mark Good

Preparatory studies for the entrance exams for engineering schools
09/2019 - 06/2021   Monastir, Tunisia

Rank in the national entrance examination for engineering schools: 216 out of 1700 candidates

Preparatory studies for the entrance exams for engineering schools
09/2019 - 06/2021   Monastir, Tunisia

SKILLS

Programming : **JAVA** • **Javascript** • **C/C++** • **Python** • **Dart** • **PHP** • **C#** • **Assembly** • **Bash**

Frameworks : • **Angular** • **Laravel** • **React** • **Node.js/express.js** • **Spring boot** • **Flutter** • **React Native** • **Flask** • **Unity**

DEVOPS tools: • **Git** • **Github** • **Gitlab** • **Bitbucket** • **Docker** • **Docker Compose** • **Kubernetes** • **Jenkins** • **Ansible** • **terraform** • **GCP** • **AWS** • **Azure**

Artificial intelligence: • **Pytorch** • **Tensorflow** • **tensorRT** • **Yolo** • **Opencv** • **Numpy** • **Pandas** • **Matplotlib** • **Seaborn** • **Sickit-learn** • **Keras**

LANGUAGES

* English   fluent
* French   fluent
* German   intermediate

ACHIEVEMENTS

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DevOps Engineer, SRE Learning Path GOOGLE
Google cloud platform

Cloud Developer Learning Path GOOGLE
Google cloud platform

Huawei HCIA DATACOM certification
Huawei

AWS cloud technical essentials AWS
AWS --Coursera

machine learning specialisation
STANFORD UNIVERSITY --Coursera

data analytics foundation GOOGLE
GOOGLE --Coursera

Azure devops
udemy

Azure DevOps CI/CD pipelines
udemy

cloud architect Learning Path GOOGLE
Google cloud platform   *(in progress)*

DevSecOps Learning Path GOOGLE
Google cloud platform   *(in progress)*

Real Ethical Hacking in 43 Hours: Certificated CSEH+CEH
OCSALY Academy

PASSIONS & VOLUNTEER EVENTS

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Artificial intelligence trainer and organizer at Google Developers Group Manouba :
- Technically training over 100 students in basics of artificial intelligence.

Team lead and Project Manager at Google Developers Group Manouba :
- Supervising research aimed at designing a revolutionary mobile application parking assistance, harnessing the power of the 360° Bird's-Eye-View technology and GPS modules.
(in progress)

Problem solving :
- Participating in plenty of Probem Solving competitions being from Top 10 over 50 participants in ENSI ECPC 2022/2023

Football :
- Participating in plenty of football tournaments recently winning ENSI super-cup 2022/2023

Participating in organizing events :
- Annual ENSI Forums, Dev'fest events in collaboration with GDG Carthage, Robocup ..