Mohamed Hedi Bra

SOFTWARE ENGINEER

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Summary

Currently in the third year of the engineering cycle at ISSAT Sousse, I am looking for a PFE internship to complete my training with field experience. My organizational skills and my knowledge in the field of IT will ensure that I will contribute to the performance of your company.

Education

Software Engineer | 2021 - Present
Higher institute of applied sciences and technology of Sousse

Preparatory cycle | 2019 - 2021
Higher institute of applied sciences and technology of Sousse

Professional Experience

Full Stack Developer Internship | National Center for Cinema and Image   July - August 2023
- Development of an authorization management platform film shooting
- Applying the Scrum Methodology
- Manage Version Control using AWS CodeCommit
- Deploy the front-end using AWS Amplify

  Technologies : ReactJs, NodeJs, ExpressJs, MongoDB, Scrum, Jira, AWS

Frontend developer internship | OAK Visuals   July - August 2022
- Integration of model.
- Implementing responsive design using jQuery and Bootstrap

  Technologies : HTML, CSS, Javascript, jQuery, Bootstrap

Technical Skills

Programming Languages	C, C++, Java, PHP, Python, SQL
Front-end Technologies	Angular, ReactJS, JavaScript
Back-end Technologies	Spring Boot, NodeJS, ExpressJS, Symfony
Mobile Development	Flutter, Java
Databases	MySQL, MongoDB, PostgreSQL
Operating Systems	Linux, Windows
Containerization and Cloud Services	Docker, Kubernetes, Jenkins, AWS (Amazon Web Services)
Tools	Git, GitHub, Jira, VSCode, IntelliJ IDEA, AndroidStudio

Projects

Development

E-commerce micro-service | Spring Boot, Hibernate, Spring Cloud, KeyCloack, Kafka MySql, MongoDB

- Build services for commerce platform.
- Implement Unit Tests.
- Enforcing Notification Service based on **Event Driven Architecture** using **Kafka**
- Build Discovery Service to facilitate the communication and coordination between individual micro-services using **Eureka**
- Establish an API Gateway entry point
- Implementing an authentication service using **Keycloak** Identity Provider
- Applying **Circuit Breaker** design pattern to prevent cascading failures and improve system reliability using **Resilience4j** library
- Introducing **Distributed Tracing** to provide visibility into the flow of requests using **Zipkin**
- Dockerizing the application using **Docker** and **Docker-compose**

E-Municipality Project | Angular, Spring Boot, Docker

- Development of a platform that offers municipal services to citizens.
- Work on the project design.
- Implementation of an authentication system.
- Implementing the CI/CD pipeline.

HouseFinder Project | MongoDB, ExpressJS, ReactJS, NodeJS, Sharding, Docker, Jenkins

- Development of a platform that helps students find rental houses.
- Implementation of back-end business logic and a distributed database using Sharding
- Apply MongoDB **sharding architecture**
- Manage different services with **Kubernetes**
- Implementing the CI/CD pipeline

E-Commerce Project | PHP, MySQL

- Implementation of the functionality of an e-commerce site.

ChampionApp Project | JavaFx, MySQL

- Development of a Desktop management application of Football Championship.
- Implementation of team, match and player management logic.
- Get rankings and statistics.

POSITIONS OF RESPONSIBILITY

Tunisian Red Crescent Member	2023
Academy Manager at NATEG	2022
JCI Member Aousja	2021 - 2022
Treasurer at NATEG	2021
Tunivision Member	2020

ACHIEVEMENTS & CERTIFICATIONS

- Digital Marketing aggregated by Google, Shopify.
- JavaScript aggregated by Microsoft Technology Associate.

LANGUAGES

- English	Professional
- French	Professional
- Arabic	Native

CENTERS OF INTEREST

Investment, Literature, Camping, Sport, Music