Aziz Souissi

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Education

ESPRIT: Higher School of Engineering and Technology, Tunis	September 2022 - Present
Software Engineering	*Tunis, Tunsia*
IPEIS: Preparatory Institute for Engineering Studies of Sfax	2020 - 2022
National Exam of Enterance to Engineering Schools, Math-Physics studies	*Sfax, Tunsia*

Experience

IPACT Consult Inc	June 2024 - August 2024
Web Development Intern │ SaaS Platform Manajero	*Tunis, Tunisia*

- Developed a Root Cause Analysis feature for the Manajero SaaS platform, incorporating problem management and dynamic/static diagram generation.
- Conducted user tests and designed front-end and back-end components for seamless integration.
- Utilized technologies such as Spring Boot, Angular, and NoSQL databases to enhance application functionality and performance.

LeaderPos	July 2023 - August 2023
Mobile Development Intern	*Sfax, Tunisia*

- Developed a mobile application for employee attendance tracking, enabling accurate monitoring of on-site and remote working hours.
- Optimized workflows for tracking employee attendance and absence, enhancing operational efficiency.
- Technologies used included Xamarin, SQL Server, and SQL to deliver a robust and user-friendly mobile solution.

Projects

Talent Nest │ *NestJS, Angular, MongoDB, Prisma, Flask, NLP, Docker, AWS*

- Developed a web application for HR management, including features such as secure authentication, interactive dashboards for analytics, and real-time team communication.
- Integrated a chatbot built with Flask and NLP capabilities to automate CV sorting based on job descriptions, improving recruitment efficiency.
- Designed and implemented a CI/CD pipeline using Docker for containerization, SonarQube for code quality analysis, and Prometheus and Grafana for performance monitoring and visualization.

Campmaster │ *Node.js, MongoDB, Spring Boot, SQL, H2, Docker, Eureka, API Gateway, Config Server*

- Created a web application for camping enthusiasts that supports user registration with email and mobile verification, as well as CRUD operations for camping programs, events, reservations, and menu offerings.
- Designed a microservices architecture with six services, including a User Service built with Node.js and MongoDB, and multiple services for managing camping programs, events, and menu offerings using Spring Boot.
- Utilized Eureka for service discovery, API Gateway for routing, Docker for containerization, and Config Server for centralized configuration management.

Entity Management DevOps Pipeline │ *JUnit, SonarQube, Docker, Kubernetes, Prometheus, Grafana, NGINX, Jira, Xray*

- Built a DevOps pipeline for an entity management system with entities like CategorieFournisseur and CategorieProduit, using Spring Boot (back-end) and Angular (front-end).
- Implemented unit testing with JUnit, continuous quality checks with SonarQube, containerized with Docker, and deployed via Kubernetes for scalability.
- Set up Prometheus and Grafana for monitoring and metrics visualization, with NGINX for front-end load balancing.
- Used Jira for project tracking and Xray for managing test cases across the pipeline.

Technical Skills

Languages: C, C#, Java, Python, JavaScript, TypeScript, PHP, R, SQL, PL/SQL, MQL, Cypher, Bash
Technologies and Tools: Spring Boot, Angular, Kubernetes, Docker, Prometheus, Grafana, Jenkins, SonarQube, Microsoft Azure, MySQL, Oracle Database, Git, CI/CD Pipeline Automation
Libraries and Frameworks: Pandas, Numpy, Scikit-Learn, NLTK, spaCy, Transformers
Concepts: DevOps, CI/CD, Kubernetes Cluster Management, API Development, Cloud Deployment, Agile Methodologies, Continuous Integration, Continuous Deployment, Automation