



LAMHARCHI KHALIL

Software Engineer

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LinkedIn Profile

As a dedicated Full Stack Developer, I am committed to leveraging technology to solve complex business challenges. I am currently seeking new opportunities and looking forward to tackling new challenges.

EXPERIENCE AT BEREXIA (SEP 2022 - UP UNTIL NOW)

•FullStack Engineer (Client: SCOR)

Mission: Working on a web application for Risk calculation

Apr 2024 - On going

Project Description: This project involves managing and analyzing risk data related to natural catastrophes. It uses loss models from external vendors to understand potential exposures and loss distributions. This data is then utilized by internal systems to set insurance prices and manage risk concentrations effectively.

- Designing integration tests for the Risk Reveal project, an application with over 8 years of existence, using Mockito and SquareTest.
- Collaboration with the development team to understand project requirements and identify key features to test.
- Resolving bugs identified by the business team.
- Application of development best practices, including Git Flow and refactoring as well as using some design pattern (Builder design pattern).
- Project built using Azure devops as infrastructure.

Skills: Spring Boot - Spring Batch - Spring Security - Angular - SQL Server - Azure-Devops.

•FullStack Engineer (Internal)

Mission: Creation of a web ESG solution for various customers(OCP- BMCE ...)

Jan 2024 - Apr 2024

Project Description: The ESG (Environmental, Social, and Governance) calculates the carbon footprint emissions for various companies and It generates comprehensive reports by analyzing files and extracting meaningful text based on user-provided templates

- Developing a microservice for notification management, Sending and receiving messages from various application components using sockets.
- Developing a reporting microservice capable of analyzing various documents (PPT, DOCX, DOC, PDF, TXT) using an artificial intelligence API, and generating adapted texts from customized templates.
- Integration of KrakenD as an API Gateway for all microservices, with request validation via Okta.
- Creation of dynamic user interfaces with Angular, enriched with Angular Material and Ant design of angular (NG-Zorro).
- Developing a pipeline for continuous deployment on an AWS EC2 instance using GitHub Actions and Docker.
- Application of development best practices, including Git Flow and refactoring.

Skills: Flask - Flask socketio - Angular - Mongo DB - GitHub actions - Git - Docker - Okta - KrakenD - AWS.

•FullStack Engineer (Client: SCR)

Mission: Migration of SCR's risk rating system from Excel/VBA to a modern web platform.

Sep 2022 - On going

Project Description: SCR-Treaty project, which includes six specialized tools each targeting different types of catastrophes. This comprehensive system addresses a wide range of risks, from natural disasters to life insurance-related contingencies. The project aggregates data from cedants and utilizes sophisticated algorithms to calculate pricing, ensuring that all potential risks are adequately covered through accurate premium determination.

- Implementing complex business logic rules and actuarial algorithms in a microservices architecture
- Application of JWT authentication and user management at both server and client levels
- Creation of dynamic user interfaces with React, enriched with MUI components, recharts and React Datasheet Grid.
- Develop a pipeline for continuous deployment on an AWS EC2 instance using GitHub Actions and Docker.
- Application of development best practices, including Git Flow and refactoring.

Skills: Flask - Spring Boot - Spring Security - Thymleaf - React - Mongo DB - MySQL - GitHub actions - Git - Docker - AWS .

EXPERIENCE AT SII-MAROC (MAR 2022 - AUG 2022) INTERNSHIP

•FullStack Engineer

Mission: Creation of an Intranet for SII-maroc

Project Description: Intranet SII-MAROC platform that includes a comprehensive homepage to explore the latest updates and news about the company. Additionally, a dedicated section for managing employee leave requests, streamlining the process and improving overall efficiency in resource management.

- Creation of a modern frontend application with React to be integrated into Liferay UI
- Management of access levels in the application using JWT
- Development of APIs using Java OSGi within Liferay

Skills: Liferay - Java(OSGI) - JWT - React - Gitlab - Git

TECHNICAL SKILLS

Languages: Java, Python, Javascript, Typescript

Frontend : React, Angular, CSS, SCSS, HTML

Backend: Spring Boot, Flask, Express(Nodejs)

Databases: MongoDB, Mysql, SQLserver

APIs: REST, WebSocket

DevOps: Git, Linux, Docker, Github Actions, Jenkins, AWS, Azure DevOps

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

EDUCATION

•State Engineering Degree – Innovation and AMOA

2019-2022

Institut National des Postes et Telecommunications (INPT), RABAT

•Preparatory Classes

2017-2019

CPGE Lycée Omar Ibn Abdelaziz, OUJDA