AbdelRaouf HECHAM

Experienced software engineer with a focus on building solutions at the intersection of Data Engineering, Web development and Blockchains.

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RELEVANT EXPERIENCE

Senior Data Engineer - **Orange Business Services,** France

NOV 2019 - MAR 2024

- Oversaw a team of 5 developers in building a French NLP model (with OCR) for automatic detection of changes in EU regulations for a cosmetics manufacturer.
- Led the development of a generic library for integrating Qlik suite with an existing Angular app for real-time custom visualization of financial data.
- Implemented data integration pipelines to process semi-structured data from multiple sources using Hadoop/Talend for various clients.
- Designed and Implemented Salesforce applications that rely on Talend REST APIs to display and interact with NoSQL HBase data.
- Developed Qlik Sense and Tableau dashboards along with the underlying ETL data integration processes for various clients.

Research Engineer - **University of Montpellier,** France

JUL 2018 - OCT 2019

- Formalized mathematical models and built a platform for real-time collective decision making based on potentially conflicting shared knowledge.
- Implemented modular architecture across the entire stack Spring/Angular while overseeing deployment, documentation, and deliverable reports.
- Tutoring and Lecturing duties (+300h) for graduate students (Databases, Human-Computer Interaction, Web Development)

Ph.D. In Artificial Intelligence - **Univ of Montpellier,** France

SEPT 2015 - JUL 2018

- Formalized a unifying model able to perform reasoning with inconsistent or incoherent knowledge within various domains such as Databases, Data Quality, Semantic Web, Argumentation, Non-monotonic Reasoning, and Human Reasoning.
- Applied and implemented our models on different use-cases in the private and public sector from Data Quality to Collective Decision making.

Junior Web Developer - **Open Management Systems,** Algeria

JUL 2014 - JUL 2015

- Implemented various websites and mobile apps for user polling, scheduling, etc.

SKILLS

Programming Languages
Javascript, Typescript, Python, Java, Solidity, Vyper, SQL/NoSQL, GraphQL, Apex

Libraries & Frameworks
React, Redux, Angular, Ionic, Next.js, Nest.js, FastAPI, Tensorflow, Foundry, IPFS, Ethers, Web3.py

Tools & Platforms
Git, Docker, Kubernetes, CI/CD, AWS, CGP, Celery, Oracle, Postgres, MongoDB, Airflow, dbt, Talend, Informatica, Qlik, Salesforce, Mulesoft, Jenkins

AWARDS

Web3 Hackathons won:
- **Encode x Lightlink 24Q1**: 2nd Best project
- **Encode x Polkadot 24Q1**: 2nd best project.

Certified Solidity Expert - Encode bootcamp.

Certified AWS CCP - AWS

Certified Mulesoft Dev II - Mulesoft.

Ph.D. Excellency Scholarship - Algerian Ministry of Education

Astronomy Award Cirta - 1st place Astronomy Contest.

LANGUAGES

English (C2): Bilingual
French (C2): Fluent
Arabic: Native