Abdelraouf HECHAM

Senior Data Engineer and Fullstack Web/Solidity Developer



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Montpellier, France

Profile

Experienced (+7 years) Full Stack Data Engineer with a Ph.D. in Artificial Intelligence. Specialized in building solutions at the intersection three domains: Web Developement, **Data Engineering** and **Smart** Contracts (Blockchain).

KEY SKILLS

Python (Keras, Flask)

SQL (Oracle, Postgres)

NoSQL (MongoDB, Hbase)

ETL (Hadoop, Talend)

BI (Tableau, Qlik)

AWS (S3)

Java (Spring)

Typescript (Angular, Ionic)

Solidity





Agile

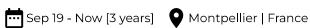
LANGUAGES

- English (C2): Bilingual
- French (C2): Fluent
- Arab: Native

EXPERIENCE

Senior Data Engineer

Business & Decision





Facilitating decisions via Data visualisation and Predictive Models.

- Led the the developement of a generic library for integrating Qlik suite with an existing Angular app for real-time custom visualization of financial data.
- 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.
- Implemented data integration piplines 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 vor various clients.

Research and Development Engineer

University of Montpellier

Aug 18 - Jul 19 [1 year] • Montpellier | France

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 while overseeing deployment, documentation, and deliverable reports.
- Implemented Spring REST API with real-time collaboration using websockets.
- Implemented Angular Front-end with graph visualization and interaction.
- Implemented a model for decision prediction based on agents knowledge.
- Tutoring and Lecturing duties (+300h) for graduate students (Databases, Human-Computer Interaction, Web Developement)

Freelance Full Stack Developer

Freelance

Sep 15 - [~7 years] • Montpellier | France

Developed various Web, Mobile and Blockchain applications:

- Currently developing a Web3 task management app with the ability to display progress by minting on-chain and off-chain NFTs (mnemofy.app) [Solidity/Angular].
- Developed a Web app for monitoring daily activities with automatic rating and prediction of daily performance (seshtat.com) [Angular/Ionic/Nodejs].
- Implemented a Web and Mobile app for bodyguard booking (1EyeOnU: Uber of bodygards) [Angular/Firebase/Nodejs/Ionic/Maps API].
- Landing pages and Web sites developement for various clients via Odesk.

Junior Full Stack Developer

Open Management System

Sep 14 - Aug 15 [1 year] Oconstantine | Algeria

- Implemented a user polling website using Laravel/PHP.
- Implemented a scheduling tool with replicated database using Java/MySQL for a language training school.

EDUCATION

Ph.D. in Artificial Intelligence

University of Montpellier



Reasoning with conflicting knowledge applied to various domains such as Databases, Data Quality, Semantic Web, Argumentation, and Human Reasoning.

Notable Personal Achievements

- Ph.D. Excellency Scholarship: for students with outstanding curriculum
- Valedictorian: Bachlor's and Master's degrees
 - Cirta-Science-III Astronomy Award: first place in the Cirta Astronomy contest