Omar Lahkim

Software Engineer

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Programming Skills

- **Languages:**Javascript, Typescript , Python, PHP, SQL

- **Technologies**: React Native, React, TensorFlow Extended, Keras, Nodejs, Laravel, MySql, MongoDb, AWS

Education

- **Al Akhawayn University in Ifrane**   Ifrane, Morocco
  Master of Science in Software Engineering; GPA: 3.43   2020 – 2023

- **SUPINFO International University**   Rabat, Morocco
  Bachelor of Science in Computer Science; ECTS: 184 (184/180)   2016 – 2019

Professional Experience

- **Digitlift**   Rabat,Morocco
  Software Engineer   May 2021 - Jan 2024

  - Conceived and developed mobile and web applications, resulting in increased user retention, and optimized performance.

  - Built Data ETL Pipelines, resulting in improved clients data automation.

  - Ensured a transparent and complete documentation of projects, resulting in improved maintainability.

  - Conducted regular code reviews and mentored junior developers, lead to code quality improvement and adherence to standards.

- **Digitcoop**   Rabat,Morocco
  Junior IT Project Manager   Jul 2020 - Mar 2021

  - Led a small team of developers using Agile methodologies, crafting user stories and delegating tasks, which lead to a noticeable improvement in team productivity.

  - Collaborated directly with clients to understand their needs, ensuring projects met all requirements.

- **Econostic**   Rabat, Morocco
  Mobile Developer Freelancer   Sep 2019 - Apr 2020

  - Developed a room booking application, integrating a bridge for device LED communication via a native SDK, which enhanced user experience and lowered energy use, and continuously improved code re-usability.

- **Econostic**   Rabat, Morocco
  Mobile Developer Intern   May 2019 - Jul 2019
    ○ Developed an invoicing mobile application for Moroccan auto-entrepreneurs, enabling them to generate, save, and manage invoices efficiently.

- **Mobiletic**   Meknes, Morocco
  Web Front-End Developer Intern: Aug 2017 - Oct 2017
    ○ Developed a CSS and JavaScript framework for internal e-learning platforms.
    ○ Developed a JavaScript communication bridge between browser windows/tabs to enhance the e-learning experience.

Projects

- **TFX Plant Disease Detection Machine Learning Pipeline:** Automated Pipeline Implementation using TFX for Plant Disease Detection using CNN Model from Data Ingestion to Model Deployment.
- **Gestureit:** CNN that Converts your gestures to actions executed on your computer.
- **Solveit:** Tool for solving puzzles using the most common searching algorithms: BFS, DFS, A STAR a.k.a A*, and Greedy Best First.
- **MobileFa.st:** A Complete Business-Oriented React Native boilerplate with common features integrated: Redux, JWT based Authentication, Theming, In-App Purchases, I18n, Admob, and Performance Optimization for easier scalability.
- **TikFans:** Mobile Application for connecting tiktok users and follow each other built using React Native.
- **Askmi:** Mobile Application for publishing Anonymous Q/A's on Instagram built using React Native and Reactjs.

Research Papers

- JurisPortail: Semantic Search Engine for French Moroccan Legal Articles.
- Devops Cultural Change: People over process over tools.
- Object Oriented Databases: Concepts and Utility.
- UTS: A new modeling methodology with UML and Test case generation, applied in conjunction with Scrum framework.

Language Skills

- **Arabic**: Native   **French**: Bilingual   **English**: Proficient