

# ABDELLATIF ANIFI

## Full-Stack Developer

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As a Fullstack developer, I specialize in building scalable web applications by translating complex requirements into efficient, user-focused solutions. With expertise in both front-end and back-end technologies, I collaborate effectively with teams to deliver optimized, high-performance applications. I'm dedicated to continuous learning and driving innovation in web development.

### Professional experiences

05/2023 - 09/2024 **IronDev**

AGADIR

#### POS: Point of Sale System

- Developed a cross-platform POS system using Electron.js for Linux, supporting seamless user login via QR code scanning and secure PIN authentication.
- Integrated dynamic business selection and real-time data loading into a Booting sequence, with automatic error handling and navigation back to previous screens in case of data retrieval failure.
- Implemented multi-language support for the entire application, including printer ticket language settings and Wi-Fi connectivity management.
- Built functionality for real-time printer discovery, allowing users to select and configure connected printers and perform actions such as printer management and factory reset.
- Enabled the POS system to handle online and offline order processing, leveraging local server storage for uninterrupted service during connectivity issues.

Tools used : React.js, Tailwind CSS, Bootstrap.

#### KDS: Kitchen Display System

- Developed an Android application for real-time order display on TV screens, compatible with Android 7 through the addition of polyfills.
- Built with React.js and Java, the application allows order management via remote control or touch screen.
- Controls orders by enabling acceptance or rejection directly from the interface.
- Allows setting the display duration of orders on the screen with the option to divide the display into a maximum of 8 columns.
- Dynamic display of orders with specific times for each column, facilitating identification of overdue orders and optimizing kitchen management.

## QR Code Order Application

- Scan the QR code to instantly access the menu page.
- Browse and select orders from the menu within the application.
- PIN verification required before sending the order, ensuring security and preventing spam.
- Orders are linked to the POS system, allowing for real-time display and management on the POS.

## Local Server

- Developed a local server based on Node.js acting as an intermediary between the POS system and a remote server.
- Manages order processing and local data storage using encrypted files, ensuring continuous operation even during network outages.
- Real-time synchronization between local and remote servers via APIs and socket connections, instantly applying changes from the remote server to local data.
- Ensures persistence of local data until network connectivity is restored, at which point synchronization with the remote server is performed.
- Facilitates secure communication and data flow between the POS and remote systems while maintaining real-time operations and system integrity.

## 05/2024 - 08/2024   Freelance

- Developed a comprehensive eCommerce website with a user-friendly interface for browsing products, managing orders, and processing payments.
- Created an admin panel to manage site data, including best-selling products, category management, order tracking, and advertising management.
- Integrated login and registration features to ensure secure user accounts and personalized experiences.
- Added a "Contact Us" feature to facilitate communication between customers and support teams.
- Built an efficient system to manage user data and orders, providing real-time insights and control over eCommerce operations.

## Degrees and Training

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**Bachelor's Degree in Fundamental Mathematics and Computer Science.**  
IBN ZOHR University

2021-2022

**DEUG**  
Mathematics and Computer Science.  
IBN ZOHR University

2020-2021

**Baccalaureate in Mathematical Sciences.**  
Mathematical Sciences  
Albaqqali high School

2018-2019

## SKILLS

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**Programming languages :** Java, Javascript, Typescript

**Backend frameworks & tooling :** NodeJS ExpressJS

**Frontend frameworks & tooling :** Redux, Nextjs, React,VueJS, Sass, Tailwind CSS ,Bootstrap

**Multiplatform Development:** ElectronJS

**Data Base:** MySQL,PostgresSQL, MongoDB, Casandra, Redis,

**Security and Cryptography:** Data Encryption & Decryption (AES)

**Operating Systems and System Administration :** File System Management, Linux