

ABDERRAHMANE SEYID

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SOFTWARE ENGINEER

Highly motivated Software Engineer with experience customizing and implementing software solutions to improve operational efficiency across different sectors. Hands-on experience working on Python, Odoo Development, Django, Docker, RESTful, PostgreSQL, MySQL, and Git. Specialized in designing, development, testing, and deployment phases of the Software Development Lifecycle within an Agile Environment. Seeking a challenging role to leverage expertise in software engineering to contribute to the development and enhancement of innovative solutions.

Object Oriented Programming (OOP) • Microservices • Problem Solving • UI/UX Design
Database Management • Frontend / Backend Development

Languages: Python, JavaScript, Java

Web: HTML, CSS, XML, jQuery, WordPress

Web Services: REST, SOAP

Web/App Servers: Apache, Tomcat

Frameworks: Django, Angular, Spring boot

Databases: PostgreSQL, MySQL, MongoDB

Design Patterns: Singleton, MVT, MVC

SDLC: Agile/Scrum, Testing, Documentation

Tools: PyCharm, Visual Studio Code, IntelliJ IDEA, Eclipse, Git, GitHub, GitLab, Postman, StarUML, Figma

Platforms: Windows, Linux, Docker

Application/Software: Odoo, Oracle Application Express (APEX), TAALIMI

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

STAR OIL GROUP, Nouakchott, Mauritania • 01/2022 – 08/2023

Oil company.

Software Engineer

- Configured 5 company sub-regional servers for Odoo 14 using Docker, achieving flawless configuration for each.
- Developed Odoo module automating Gas Station operations using Python, increasing revenue by 30%; also implemented Active Directory-based user access audit, reducing unauthorized access by 85% and ensuring data security compliance.
- Collaborated with an Odoo representative on coding and data analysis for migrating the company branch in Niger from SAP to Odoo 14, enabling tailored functionalities aligned with company policies.
- Perfectly deployed and configured Odoo IoT Box tool for 2 branches of the company (Mauritania, Gambia). This implementation greatly facilitated the automation of the printing process.
- Utilized Python to customize 4 Odoo modules (Sales, Purchase, Inventory, and Payroll), improving system functionality; orchestrated XML-based QWeb reports for streamlined logistics and financial reporting, enhancing data accuracy.

Technologies Used: Python, PostgreSQL, JavaScript, XML, Odoo, Ubuntu, Docker.

SMART MS, Nouakchott, Mauritania • 11/2021 – 01/2022

SMART MS provide personalized IT solutions, designed to fit their client's businesses.

Software Engineer

- Created a Smart Tracker System with Django, Restful API, Bootstrap, Angular, and MySQL, enabling SOMA GAZ to enhance operational efficiency by monitoring gas tank parameters such as location, speed, temperature, and volume.
- Built the Front-End of tasks management and reporting system using Angular. Assisted the Parliament's construction team in efficiently organizing and reporting their daily and weekly tasks.

Technologies Used: Python, Django, JavaScript, Angular, HTML, CSS, Bootstrap, GitLab, AWS EC2.

INTERNSHIP EXPERIENCE

Central Bank of Mauritania, Nouakchott, Mauritania • 03/2021 – 07/2021

Central Bank of Mauritania is a national public establishment with legal personality as well as political, administrative, and financial independence.

Full-Stack Software Engineer

- Established a comprehensive application for the administrative management of BCM staff using Oracle Application Express APEX, achieving 100% user adoption and improving operational efficiency.
- Engaged in code reviews and actively contributed to the creation and maintenance of technical documentation, ensuring a good code quality rating and facilitating seamless knowledge transfer within the team.

Technologies Used: Oracle Application Express.

PERSONAL PROJECTS

Credit Card Fraud Detection Using Transactions Data (2024): - Created a fraud detection system utilizing Python, Pandas, Matplotlib, and scikit-learn to process transaction data efficiently.

Movie Ticketing System (2024): Created a comprehensive Movie Ticketing System Backend with Python and Flask, focusing on secure authentication and efficient API integration.

Teleconsultation (2021): Medical consultation carried out remotely. This remote medicine facilitates access to care and prevents the patient from having to travel. Utilized Laravel, Vue. JS, Twilio, Quick Admin Panel.

EDUCATION

Master of Science in Computer Science

MIU, Iowa (2024)

Key Courses: Enterprise Architecture, Algorithms, Software Architecture, Web Programming, Cloud Computing AWS

Master of Software Engineering and Information System

Polytechnic Dakar, Cheikh Anta Diop University, Dakar, Senegal (08/2021)

Bachelor in Computer Engineering

Mohamed V University, Rabat, Maroc (07/2019)