

BADREDDINE OUCHIDA

Java Software Engineer

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Motivated second-year student at INPT, with a keen interest in system design and a focus on Java software engineering. Actively seeking internship opportunities to apply my academic knowledge and skills.

EDUCATION

National Institute of Posts and Telecommunications, *Data Engineer* | Morocco

Present

Faculty of Sciences Ben M'sik, *Bachelor's degree in Mathematics and Computer Science* | Morocco

Jun 2023

ODC CP Competition : 5th in Morocco.

Game of Codes CP Competition : 13th in Morocco.

EXPERIENCE

End-of-Studies Project at Hola Blanca Coffee Space, *Odoo ERP* | Morocco

Feb 2023 - Jun 2023

- Configured and customized the Odoo Point of Sale module.
- Optimized the operational efficiency of the coffee space, minimized order errors, and accelerated order processing.
- Enhanced order customization, resolved payment issues, and facilitated order tracking.
- Configured and customized the Odoo Human Resources module.
- Optimized personnel management within the coffee space.
- Improved efficiency in monitoring attendance and managed leaves more effectively.
- Configured and customized the Odoo Inventory module.
- Optimized stock control and supply chain processes within the coffee space.
- Set up inventory thresholds to manage stock levels efficiently and implemented alerts to notify about low stock levels or other inventory-related issues.
- The system successfully generated comprehensive financial reports, providing valuable insights and analytics for informed decision-making.

PROJECTS

Voting System – Distributed Systems using Java & Kafka

Nov 2023 - Dec 2023

- Developed a distributed electronic voting system using Java, Sockets, RMI, Multithreading, and Kafka.
- Integrated RMI for voter authentication, and employed multithreading to handle simultaneous connections.
- Implemented Java server using Sockets.
- Utilized Kafka Producer/Consumer API to ensure real-time updates on voting results.
- Implemented a user interface using JSF for clients.

Food Tracking Web App – Web Development using Java EE / Jakarta EE, PrimeFaces, Bootstrap, PostgreSQL, Spoonacular API

Oct 2023 - Nov 2023

- Developed FoodBro, a comprehensive culinary journey system for achieving dietary goals.
- Designed an intuitive dashboard for seamless calorie tracking.
- Encouraged users to craft delightful meals, enhancing their culinary experience.
- Utilized technologies: Java EE / Jakarta, PrimeFaces, Bootstrap.
- Implemented design patterns: MVC2, DAO, and Singleton for robust development.
- Managed PostgreSQL for efficient and secure database handling.
- Integrated Spoonacular API for precise food calorie information and system recommendations.

Coaching Web App – Full Stack Web Development using React, PHP Laravel, Inertia, MySQL

Feb 2022 - Nov 2022

- Participated in a web development team and led the front-end implementation using React.
- Contributed to the creation of My Digital Truth App, offering career development, digital optimization, and specialized coaching services.
- Implemented the MVC design pattern to enhance code organization and maintainability.
- Utilized technologies such as React for the front end, PHP Laravel for the back end, and MySQL for efficient data storage.
- Introduced a load balancer to distribute the server load, ensuring optimal performance and scalability.

SKILLS

Languages: Java SE/EE, Scala, Nodejs/Javascript, Python, C/C++, Git, Bash

Libraries/Frameworks: ExpressJs, React, Bootstrap, TailwindCss, Django, Tensorflow, Keras, Scikit-Learn, Pandas, Numpy, Matplotlib.

Databases: Oracle Database, PostgreSQL, MongoDB, Apache HBase, Redis.

Softwares: Linux, Odoo, KVM, Docker, Figma, Postman, VMware, VirtualBox

Concepts: Software Engineering, System Design, Software Design, Web Development, Data Engineering/Science.

Soft Skills: Time Management, Problem-solving, Documentation.