OUSSAMA KSANTINI

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SOFTWARE ENGINEER

Skilled software engineer with almost 2 years of experience in designing, integrating, and developing high-speed and robust software solutions. Proficient in Java, Spring Boot, React, Angular, and MySQL, with a track record of delivering high-quality code and optimizing system performance. Skilled in full-stack development, database management, and agile methodologies. Strong problem-solving abilities and a collaborative approach to tackling complex technical challenges. Seeking to leverage expertise in software engineering to drive innovation and contribute to impactful projects in a dynamic team environment.

Design Patterns • Web Services • DevOps • Software Development Life Cycle
Continuous Integration and Continuous Delivery (CI/CD) • Microservices • Object-Oriented Programming
Service-Oriented Architecture • Aspect-Oriented Programming

Languages: Java, JavaScript, Typescript
Web: HTML5, CSS3, HTTP, WebSocket
Web Services: RESTful APIs
Web/App Servers: Apache, Tomcat
Frameworks: Spring Boot, Spring Security, Spring Cloud, Spring JPA, Hibernate, Node.js, .Net, React, Angular, JUnit, JEST
Databases: MSSQL, MYSQL, PostgreSQL, MongoDB
Design Patterns: Singleton, Factory, MVC (Model-View-Controller), MVVM (Model-View-View-Model), Decorator
SDLC: Agile
Tools: Maven, VS Code, IntelliJ, Git, GitHub, JUnit, Jenkins, GitLab CI/CD, Docker Desktop, Postman, Microservices Architecture, Authentication and Authorization, API Testing, API Integration
Platforms: Windows, Linux
Big Data: Hadoop, Pig, Hive

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).*

MYWEB, Sfax, Tunisia • 11/2022 – 10/2023
Leading ERP and Cloud solutions
Software Engineer
Built Microservices

- Developed a JavaScript and React-based user interface for a business intelligence tool, enhancing user experience and increasing client engagement by 40%.
- Implemented a Spring Boot and Hibernate service for saving user dashboard data, improving data management efficiency and system reliability.
- Enhanced security with authentication and authorization services using Spring Boot, ensuring secure access for all users.
- Streamlined PDF report generation with a Node.js service, reducing processing time by 50%.
- Optimized system performance by implementing data cubes with Cube.js, leveraging cached data to reduce report generation time by 70% and improve overall efficiency.
- Integrated multiple APIs to enhance tool functionality and facilitate seamless data integration.
- Developed unit and end-to-end tests using React-Testing-Library, Jest, and Cypress, reducing bugs by 90% and ensuring stable deployments.
- Maintained Docker containers for consistent and scalable application deployment across development and production environments.

Technologies Used: React, typescript, Node.js, Express.js, Cube.js, Docker, Spring Boot, Java

INTERNSHIP EXPERIENCE

AMBJ Consulting, Sfax, Tunisia • 06/2022 – 09/2022
Dynamic, innovative strategic business solutions.

Software Engineer
Built Microservices

- Developed a full web application using Angular for the front-end and .NET for the back-end, providing business managers with a comprehensive dashboard for monitoring business status.
- Integrated real-time data visualization with Angular libraries, enabling dynamic graphical representations of key business metrics, improving decision-making speed by 50%.
- Implemented an alert system using SignalR for real-time notifications, ensuring prompt updates on operational issues for business managers and reducing response time by 40%.
- Optimized backend performance by creating RESTful APIs with ASP.NET Core, enhancing data retrieval speed and application responsiveness.
- Deployed the application using Docker containers, ensuring consistent development environments and simplifying deployment processes, resulting in a 40% reduction in deployment time.

Technologies Used: C#, .Net, Angular, SQLite

DSS Company, Sfax, Tunisia • 06/2021 – 09/2021
IT-Company.
Software Engineer
Built Microservices

- Developed a digital platform using Laravel to share information with the municipality, digitizing all municipal PAU and storing them in a DBMS, improving data accessibility and management by 60%.
- Optimized data digitization processes, reducing the time required to convert municipal PAU to digital format by 50%.
- Enhanced data integrity by implementing robust validation and verification protocols in Laravel, ensuring the accuracy and reliability of the digitized municipal data.
- Collaborated with municipal officials, ensuring the platform meets their needs and providing training to ensure smooth adoption and usage.
- Streamlined payment processing by integrating payment gateways within Laravel, ensuring secure and efficient handling of rental payments and reducing payment-related issues by 30%.

Technologies Used: PHP, Laravel, HTML, CSS, JavaScript

ACADEMIC PROJECTS

Maharishi International University (2024) Real Estate Platform: Developed an innovative online marketplace to revolutionize property transactions for buyers, sellers, and renters. Utilizing Java, Spring Boot, and Docker, it provides comprehensive data analytics and advanced technology for a seamless real estate experience.

Maharishi International University (2024) E-Commerce Application: Develop an E-Commerce web application for selling products. Utilized Spring Boot, React.
ESPRIT (2023) Level UP: Developed a web application to enhance employee well-being, reduce stress and absenteeism, boost motivation, and increase productivity. Utilized Java, Spring Boot, and Angular.

PERSONAL PROJECT

MyAgency 2023: Develop an E-Commerce web application for a travel agency. Utilized Spring Boot, React

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 06/2026)
Maharishi International University, Fairfield, Iowa

Key Courses: Algorithm, Enterprise Architecture, Web Application Programming, Web Applications Architecture

Bachelor in Software Engineering
ESPRIT, Tunis, Tunisia (2023)

CERTIFICATION
Front-End Web Development with React: Coursera.