Taoufiq El Moutaouakil

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EXPERIENCE

Software Engineer
Ribatis   **June 2021 – July 2023, Casablanca, Morocco**

- Engineered robust application microservices utilizing Spring Boot and Java 8, integrating API gateway and service registry, and implemented distributed tracing with Zipkin, enhancing system reliability and monitoring capabilities.
- Developed security protocols within an API gateway using Spring Security, ensuring safe transmission of sensitive data by implementing OAuth and JWT authentication mechanisms, effectively fortifying the application against unauthorized access prior to requests reaching individual microservices.
- Developed and implemented a comprehensive suite of automated tests using JUnit and Mockito for backend services and Cypress for front-end user interface validation, contributing to a 25% improvement in deployment efficiency and software reliability.
- Engineered a robust backend infrastructure utilizing Hibernate, Spring Data, and JPA linked to a MySQL database, enhancing data processing efficiency by 30% and reducing application latency for thousands of concurrent users.
- Developed a scalable e-commerce web application using HTML5, CSS3, JavaScript ES6+, React.js, and Redux-Saga handling asynchronous data flow, resulting in an engaging user experience that supported 50% more concurrent users without compromising performance.
- Created efficient front-end user interfaces utilizing react-window and react-virtualized to improve application performance for rendering large lists and tabular data, reducing memory usage by 30% and enhancing user experience.
- Developed robust and scalable user interfaces using React functional components and hooks, like useEffect and useMemo, cutting down re-rendering by 30% and enhancing user experience for a SaaS platform with over 500,000 monthly active users.

Software Engineer
Go&Dev   **May 2018 – June 2021, Rabat, Morocco**

- Engineered and deployed 15+ microservices using Spring Boot and Spring Cloud for a high-traffic web application, delivering RESTful API endpoints that improved system modularity and maintained a 99.9% uptime.
- Designed and managed a robust AWS infrastructure comprising EC2 instances, Auto Scaling Groups (ASG), and Elastic Load Balancers (ELB), supporting a high-availability application environment with a 99.9% uptime, serving over 100,000 users.
- Implemented OAuth2 and JWT for secure RESTful API authentication, enhancing application security for over 5,000 active users and reducing unauthorized data access incidents by 70%.
- Architected a message queuing system using Kafka, ensuring seamless data processing and implemented Docker containerization for MongoDB, achieving a 25% improvement in microservice deployment efficiency and runtime scalability.
- Developed a web application using React.js for UI components, integrated with Redux for state management, and Material-UI for styling, resulting in a 30% increase in user engagement within the first 3 months post-launch.
- Created a robust CI/CD pipeline utilizing Jenkins, Docker, and Kubernetes, reducing deployment times by 50% and improving system reliability for a software suite used by a client base of over 2,000.
- Engineered a highly secure Passkey login and registration system that reduced user authentication time by 30% while maintaining robust security protocols.
- Streamlined the user experience for the Passkey registration process, reducing user drop-off rates by 25% and increasing customer satisfaction scores by 15% within three months by debugging and enhancing front-end functionality.
- Developed an enhanced Passkey login system, heightening user convenience with auto-fill and conditional UI optimizations, increasing buyer pre-identification coverage by 35%, resulting in a more seamless login experience with minimal user interaction.

EDUCATION

Master of Science in Computer Science
Minor in Software Developement · Maharishi International University · Fairfield, IA, USA · 2024

Specialized Master's in Applied Computer Science and Offshoring

Minor in Software Developement · Mohammed V University · Rabat, Morocco · 2022

Bachelor's degree in Mathematical and Computer Science

Mohammed V University · Rabat, Morocco · 2020

CERTIFICATIONS

Cloud Application Developer 2021 (Mastery Award)

IBM · 2021

SKILLS

Programming Languages:

· Java (Spring Boot, Spring Cloud, Spring Security, Spring Data, Spring Batch)

· PHP(Symfony)

· JavaScript (Full-Stack Development)

Web Development:

· Full-Stack Development (Spring Boot, Node.js, Express.js)

· Front-end Development (React.js, VueJS, JavaScript, HTML, CSS)

· Database Management (SQL, Oracle, MongoDB, PostgreSQL)

DevOps & Infrastructure:

· Docker

· Kubernetes

· Jenkins

· Git

· CI/CD Pipelines

· AWS Cloud Services (EC2, RDS (Oracle), S3, IAM, Lambda, DynamoDB, ELB, ASG, KMS, ElastiCache, Cognito, SSM)

Streaming Technologies:

· Apache Kafka

· RabbitMQ

· ActiveMQ

Version Control & Collaboration:

· Git, GitHub, GitLab

Workflow Orchestration:

· Apache Airflow

Soft Skills and Advanced Competencies

· Advanced problem-solving and debugging skills in complex application environments

· Excellent communication and collaboration skills, with experience leading cross-functional teams

· Strong understanding of design patterns, object-oriented programming, and software architecture principles

· Experience with Agile/Scrum methodologies and tools like JIRA and Confluence

· Proficiency in performance tuning and optimization of Java applications

· In-depth knowledge of cloud-native architecture and microservices design principles