AMINE IBENHAMADA

Germany, Marburg | P: +49 172 5898819 | aminehammeda.de@gmail.com | LinkedIn | Portfolio

Education

Philipps-Universität Marburg, Germany *Sep 2024 - Present*
MSc in Computer Science
ESPRIT, Tunisia *Sep 2022 - Present*
Software Engineering
ISSAT, Tunisia *Sep 2020 - Jun 2022*
Integrated Engineering Preparatory Cycle (Mathematics, Physics and Computer Science)

Internships

Software/DevOps Intern – NextStep IT *Jun 2024 - Sep 2024*
- Designed and implemented a scalable microservices-based ticketing system supporting 1,000+ concurrent users
- Automated CI/CD pipelines with Jenkins, Docker, and Python, reducing deployment time by 40%
- Implemented comprehensive system monitoring using Prometheus and Grafana for proactive issue detection
- Conducted security assessments using OWASP ZAP, identifying and resolving 15+ critical vulnerabilities
- Developed and integrated Active Directory authentication system with SSO capabilities
- Optimized system architecture to handle peak loads of 100+ requests per second

Software Engineer Intern – Aetech-Solutions *Jun 2023 - Aug 2023*
- Engineered a high-performance REST API using Spring Boot, achieving 30% faster response times
- Implemented Role-Based Access Control (RBAC) system securing data access for 500+ users
- Conducted extensive load testing with JMeter, validating system stability for 10,000 concurrent users
- Developed automated data processing scripts in Python for bulk operations
- Designed and optimized database schemas for improved query performance

Projects

VitaNova (Spring Boot, MySQL, Python, Microservices) *2024*
- Architected a scalable e-Commerce platform using microservices architecture
- Implemented caching strategies reducing database load by 35%
- Developed robust REST APIs with comprehensive documentation
- Integrated message queuing system for asynchronous processing

Library Manager (Firebase, Python, Node.js) *2024*
- Developed backend services managing 1,000+ records with real-time synchronization
- Implemented advanced query optimization techniques, reducing response time by 25%
- Created automated data migration scripts ensuring data integrity
- Designed RESTful APIs for seamless client-server communication

EcoArt (Java, Symfony, Python) *2023*
- Engineered backend infrastructure for a social commerce platform
- Implemented secure payment processing system with PCI DSS compliance
- Developed real-time notification system using WebSockets
- Optimized database queries improving overall system performance

Skills

Programming Languages: Java, Python, C, PHP, TypeScript, SQL
Frameworks: Spring Boot, Symfony, Node.js, Express.js
Tools: Kubernetes, Docker, Jenkins, Git, MySQL Workbench, Redis, Elasticsearch
Database Systems: MySQL, PostgreSQL, MongoDB, Firebase
Methodologies: Microservices Architecture, API Design, Test-Driven Development
Languages: English (fluent), French (moderate), Arabic (native), German (beginner)

Social Experience

Securinets (2022-2023): Organized weekly cybersecurity training and participated in CTF events
CyberTrace (2020-2022): Led hackathons and promoted ethical hacking awareness
Red Crescent (2019): Coordinated disaster relief efforts, aiding 200+ families

Interests

Literature: Enthusiastic about 19th and 20th-century classics
Gaming: Enjoy competitive gaming and strategic challenges
Sports: Active in football and running, emphasizing physical fitness and teamwork