AMINE IBENHAMADA

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Education

Philipps-Universität Marburg, Germany *Sep 2024 - Present*
MSc in Computer Science (Focus on UX/UI, Human-Computer Interaction)
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 deployed a Kubernetes-based ticketing system for 1,000+ users.
- Automated CI/CD pipelines with Jenkins, Docker, and Python, reducing deployment time by 40%.
- Configured real-time monitoring with Prometheus and Grafana, enabling proactive resolution.
- Conducted OWASP ZAP audits, identifying 15+ vulnerabilities.
- Integrated Active Directory authentication, enabling Single Sign-On (SSO).
- Collaborated with UX designers to improve UI usability for ticketing workflows.

Software Engineer Intern – Aetech-Solutions *Jun 2023 - Aug 2023*
- Developed a full-stack inventory app with Angular and Spring Boot, optimizing API performance by 30%.
- Implemented RBAC for 500+ users, ensuring secure access.
- Executed 20+ load tests with JMeter, validating scalability for 10,000 users.
- Automated backend tasks with Python, enhancing efficiency.
- Created wireframes and prototypes to enhance the UX of internal tools.

Projects

VitaNova (Spring Boot, Angular, MySQL, Python) *2024*
- Created an AI-driven e-Commerce platform for 1,000+ products, delivering personalized experiences.
- Utilized Spotify API for music recommendations, increasing engagement by 20%.
- Implemented REST APIs and CI/CD pipelines, ensuring seamless delivery.
- Designed user-friendly workflows, improving accessibility and usability.

Library Manager (Flutter, Firebase, Python) *2024*
- Developed a library management app, syncing 1,000+ records in real-time with Firestore.
- Optimized database queries, cutting processing time by 25%.
- Integrated Python scripts for data migration, ensuring consistency.
- Designed intuitive UI/UX features based on user research insights.

EcoArt (Java, Symfony, Python) *2023*
- Designed a social commerce platform promoting eco-friendly products, boosting interaction by 15%.
- Integrated secure payment systems, ensuring PCI DSS compliance.
- Added a social feed and messaging, enhancing user engagement.
- Conducted usability testing and refined UI components for accessibility.

Skills

Programming Languages: Java, Python, C, PHP, Dart, TypeScript
Frameworks: Spring Boot, Symfony, Angular, Flutter
Tools: Kubernetes, Docker, Jenkins, GitHub, Figma, Axure, MySQL Workbench
Methodologies: Agile, UX Research, Prototyping
Languages: English (fluent), French (moderate), Arabic (native), German (beginner)

Social Experience

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

Interests

UX/UI Design: Passionate about creating seamless user experiences and intuitive interfaces.
Literature: Enthusiastic about 19th and 20th-century classics, exploring themes in novels and philosophy.
Gaming: Enjoy competitive gaming and strategic challenges, fostering teamwork and critical thinking.
Sports: Active in football and running, emphasizing physical fitness and teamwork.