

ZAKARIA ETTALBI

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Software Engineer | Software Development · Software Quality · Cloud & DevOps
French - Fluent, English – Advanced



PROFILE

Software Engineer with 3 years of experience in **Java Full-Stack** software design and development in cybersecurity and DevOps environments. Experienced in enterprise-scale systems (microservices, cloud, multi-system integrations) at **Orange Cyberdefense**, with solid expertise in software quality assurance and testing strategies.

EXPERIENCE

Software Engineer, Orange Cyberdefense, Paris, France	02/2026 – Present
- Delivered features on two international enterprise-grade security portals used by cybersecurity clients across multiple countries: the customer-facing Portal UI (portal.orange cyberdefense.com) and the Internal Admin Portal built with Angular and deployed on GCP. - Developed key frontend features including TDR/MDR dashboards, case and ticket management, security timelines, asset management, and reports & shared Documents sections. - Built and maintained backend services using Java and Vert.x in a distributed microservices architecture: Ticketing Middleware (ServiceNow, Salesforce), Vulnerability Service (CVE/NVD processing with MongoDB), Threat Intelligence Service, File Access Service, and FileScan Service (malware detection). - Integrated third-party APIs: ServiceNow (ITSM) and Okta (OAuth2/OIDC multi-tenant authentication) with per-tenant data isolation on GCP Storage Buckets. - Applied code quality and test automation practices across the delivery pipeline: unit testing, static code analysis with SonarQube, and CI/CD pipeline management via GitLab CI. - Operated in an international English-speaking team across multiple countries, following Agile/Scrum methodology with JIRA, managed delivery via GitLab, peer code reviews, and Confluence technical documentation.	
Software Engineer, Xcom Solution, Casablanca, Morocco	02/2024 – 08/2024 (7 months)
- Designed and developed an end-to-end E-Commerce platform, covering both customer-facing and administrator interfaces built with Angular and Vue.js. - Developed the backend with Spring Boot integrated with a PostgreSQL database for reliable and secure data management. - Implemented authentication and authorization using JWT and Spring Security, securing transactions and customer data. - Worked in Scrum methodology with regular sprints, code reviews, and continuous integration.	
DevOps Engineer, Onee - Electricity Division, Casablanca, Morocco	07/2023 – 09/2023 (3 months)
- Virtualized and migrated a Windows Server 2003 environment to a VMware ESXi infrastructure (installation, configuration, and performance optimization). - Gained hands-on DevOps skills: Linux, Git, Docker, Jenkins, and AWS services (IAM, VPC, EC2, ECR).	

SKILLS

Architecture & Design: Microservices, Monolithic Architecture, Design Patterns, UML
Frontend & UI: Angular, Vue.js (Vue 3, Composition API), TypeScript, JavaScript, HTML5, SCSS, Bootstrap, Angular Material
Backend: Java (Spring Boot, Vert.x, Thymeleaf), Node.js (Express.js), PHP (Laravel), Python
Databases & ORM: MongoDB, PostgreSQL, MySQL, InfluxDB, Redis, Hibernate (JPA), Prisma
API & Integration: REST, GraphQL, gRPC, SOAP, OpenAPI 3 (Swagger), Kafka, RabbitMQ, ServiceNow (ITSM), SentinelOne (EDR)
Security & Authentication: Okta (OAuth2/OIDC), Keycloak, Spring Security, JWT, OWASP principles
Cloud & DevOps: GCP, AWS, Docker, Kubernetes, CI/CD (GitLab CI, Jenkins), Maven, Gradle, Nexus, Nginx
Monitoring & Observability: Prometheus, Grafana, Log4j2
Testing & QA: JUnit (Mockito, AssertJ), Playwright, Selenium, Cucumber, JaCoCo, SonarQube, ESLint, Prettier
Methodologies & Practices: Agile (Scrum), MBT, ATDD, BDD, TDD, Code Review
Tools & Collaboration: JIRA, Confluence, Postman, IntelliJ IDEA, VS Code

EDUCATION

Master's degree in Software Development and Validation	09/2026
Franche Comte University	
State Engineer in Software and Distributed Computer Systems Engineering	09/2024
National Higher School of Engineering and Technical Education (ENSET)	
Technology and Industrial Sciences	09/2021
Preparatory Classes for Engineering Schools	

CERTIFICATIONS & TRAINING

- ISTQB Foundations (In Preparation)
- Oracle Certified Professional, Java SE 17 (In Preparation)
- A PL/SQL Database Programming (Oracle)