GHASSEN BARGOUGUI

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SUMMARY

Experienced Full-Stack and Backend Software Engineer with 5+ years in Java-based enterprise systems, microservices, and scalable backend architectures. Oracle Certified Java SE 11 Developer. Proven expertise in Spring Boot, API design, CI/CD, and automation. Adept at delivering secure, high-performance solutions for banking and insurance, with a strong focus on code quality, DevOps, and Agile collaboration. Fluent in English, French, and Arabic (native), with basic Japanese.

EDUCATION

Engineer's Degree, Software Engineering   Graduating July 2023
ESPRIT (Private Higher School of Engineering and Technology), Tunis, Tunisia
Bachelor's Degree, Computer Science   Graduating June 2019
ISIMM (Higher Institute of Computer Science and Mathematics), Monastir, Tunisia

TECHNICAL SKILLS

Programming Languages: Java, TypeScript, SQL, JavaScript, HTML5, CSS3
Frameworks & Libraries: Spring Boot, Java EE, Hibernate, JPA, Angular, PrimeNG, JUnit, Camunda BPM, NestJS, Node.js
API & Microservices: RESTful API Design, OpenAPI, Spring Cloud, ActiveMQ
Databases: PostgreSQL, MySQL, Oracle (PL/SQL), MongoDB
DevOps & Tools: Docker, Jenkins, GitLab CI/CD, Maven, Git, Nginx, WildFly, Tomcat, AWS, JProfiler, SonarQube, Linux, Jira, Confluence
Security: Keycloak (OAuth2, OIDC, JWT), Linux Server Management

PROFESSIONAL EXPERIENCE

Sogeti (on mission at BGL BNP Paribas), Luxembourg: Software Engineer   Feb 2025 – Present
- Developed and maintained internal banking applications using Java (Spring Boot, Hibernate), Angular, and PostgreSQL/Oracle, with strong focus on security and performance.
- Built and optimized RESTful APIs, implemented CI/CD pipelines with Maven, Jenkins, Git, and ensured code quality using SonarQube, within a fully Agile squad.

CBTW, Luxembourg: Java Full-Stack Developer   Sept 2024 – Jan 2025
- Developed enterprise web applications using Spring Boot, Angular, and PostgreSQL.
- Built and optimized RESTful APIs for high-performance communication.
- Refactored monolithic components into microservices, improving scalability and maintainability.
- Automated application deployment with Jenkins & Docker, reducing manual release efforts.

VERMEG for Banking and Insurance, Tunis, Tunisia: Software Engineer   Oct 2019 – Aug 2024
- Led backend engineering efforts for multiple high-traffic insurance & financial applications.
- Designed and optimized high-volume transactional APIs, ensuring high availability and performance.
- Implemented Keycloak-based authentication & RBAC, improving access security.
- Reduced API response time by 50% through query optimization and caching strategies.
- Built automated workflows using ActiveMQ for bulk processing, increasing efficiency by 40%.
- Managed CI/CD pipelines, ensuring seamless deployments and rollback strategies.

KEY PROJECTS

BGL BNP Paribas Mandate Management (Full-Stack Engineer)   2025 – Present
Developing mandate management features for banking systems in a fully Agile tribe and squad.

- Deliver end-to-end solutions for customer mandate management using Spring Boot (including batch processing) and Angular with Angular Material.
- Ensure high code quality and robust unit testing, leveraging SonarQube for static analysis and compliance.

- Automate build and deployment pipelines with Maven, Git, and Jenkins.
- Collaborate cross-functionally within a fast-paced Agile environment, participating in all ceremonies and code reviews.

SalesFlow (Lead Developer)   2023 – 2024
Led migration to Camunda BPM-based architecture

- Conducted functional analysis and client workshops to refine business requirements.
- Designed and developed high-performance REST APIs and scalable microservices.
- Implemented a multi-threaded batch processing system, optimizing large insurance transactions.

PackManager (Backend Developer)   2022 – 2023
Developed a configuration platform for insurance products

- Analyzed client requirements and developed UML models.
- Designed and optimized RESTful APIs for flexible insurance product customization.
- Refactored legacy code to improve maintainability and reduce technical debt.
- Improved system execution using JProfiler, enhancing response time by 35%.

Solife Digital & Generali Subscription Portal (Full-Stack Developer)   2021 – 2022
Unified platform for insurance brokers and agents

- Developed high-performance REST APIs for BPMN-based workflow automation.
- Integrated Keycloak SSO for secure authentication and enhanced user management.
- Revamped the user interface with Angular, improving responsiveness and user experience.

Magikforms (Backend Developer)   2021 – 2022
Built high-volume document processing microservices

- Integrated ActiveMQ for bulk processing, increasing transaction speed by 40%.
- Automated user management via Keycloak API to streamline authentication.
- Optimized performance using JProfiler for high-volume operations.

Insurance Pricing Module (Full-Stack Developer)   2020 – 2021
Led functional analysis and actuarial feature development in Java.

- Designed and implemented features for insurance product configuration and premium calculation.
- Developed actuarial functions in Java with unit testing.
- Optimized data integration and pricing configuration testing with Apache POI.

CERTIFICATIONS

Oracle: Oracle Certified Professional, Java SE 11 Developer (Sept 2022) – Certification Badge: bit.ly/ocp11gb

LANGUAGES

Arabic: Native
English: Fluent
French: Fluent
Japanese: Basic