

Jasser ATOUANI

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 Jässer ATOUANI |  JasserGPRD |  jasserat

Ariana, Tunis - 2081, Tunisia

ABOUT ME

Software engineer passionate about **full-stack development, cloud computing, and DevOps**, I design high-performance and scalable solutions by leveraging modern technologies. Curious and meticulous, I adapt quickly to new challenges and enjoy solving complex problems. My collaborative spirit and autonomy allow me to contribute effectively to project success and continuous process improvement.

EXPERIENCE

• GUEPARD [🌐]

Full-Stack Software Engineer

March 2024 – June 2025

Tunis, Tunisia (Hybrid)

- Design and development of the **Guepard File System**, a high-performance database versioning solution with **Rust** and **Clap**, minimizing redundant storage consumption.
- Development of the **Guepard Connector CLI** for managing database and OS operations, using **Rust, PostgreSQL, Neo4j, Linux, Multipass**, improving the efficiency of operations on database branches.
- Design and implementation of the **Guepard Engine**, a system based on a microservices architecture with **Rust (Rocket), RESTful APIs, HashiCorp Nomad**, optimizing infrastructure orchestration and compute resource management.
- Development of the **SQL Studio**, an interactive low-latency SQL query execution environment, based on **Rust, REST APIs**, optimizing database branch analysis and data retrieval.
- Creation of the **Guepard Data Masking CLI**, integrating data anonymization algorithms in **Rust**, ensuring compliance with **GDPR** standards and protection of sensitive data.
- Development of the **Guepard Platform UI** with **Next.js, React, TypeScript**, integrating real-time database operations and RESTful services.
- Migration of the **Guepard Engine** to **AWS Lambda Functions in TypeScript**, improving scalability and reducing infrastructure costs by 30%.
- Mentoring and monitoring of **final-year interns**, ensuring their skills development and delivery of their projects in backend, frontend, and DevOps.
- Weekly update of Guepard's **technical documentation**: [docs.guepard.run](#), ensuring clarity and accuracy of information for engineers and stakeholders.
- Continuous contribution to the evolution and improvement of the **Guepard Platform**: [app.guepard.run](#), integrating best practices in **CI/CD, GitOps, and DevSecOps**.
- Collaboration with an international team based in France and USA, ensuring effective communication across time zones.

• NEXITS [🌐]

Full-Stack Developer (Freelance)

May 2022 – December 2023

France (Remote from Tunis)

- Development and maintenance of a **scalable management platform** using the **MERN stack (MongoDB, Express.js, React, Node.js)** and **Java stack (MySQL, Java, Spring Boot, React)**, ensuring smooth feature deployment and high availability.
- Management of **weekly code merges**, resolution of complex Git conflicts and efficient integration of new features in a collaborative environment.
- Optimization of **backend APIs** and **frontend** performance, reducing loading times by 40% and improving user experience.
- Implementation of **CI/CD pipelines, automated tests, and code review best practices**, increasing code quality and deployment efficiency.
- Collaboration with an international team based in France, working **fully remote from Tunis** and ensuring effective communication across time zones.

EDUCATION

• ESPRIT (Private Higher School of Engineering and Technology)

September 2021 – July 2024

Tunis, Tunisia

Engineering Degree in Computer Science – Software Engineering

- GPA: **17.22/20**

• FST (Faculty of Sciences of Tunis)

September 2016 – July 2019

Tunis, Tunisia

Bachelor's Degree in Computer Science

PROJECTS

- **DevOps Project: Web Application Deployment Automation** September 2023 – October 2023 [Q]
Tools: Jenkins, Git, SonarQube, Prometheus, Grafana, Docker, Spring Boot, Angular
 - Implementation of a CI/CD pipeline with **Jenkins** to automate the application deployment.
 - Integration of **SonarQube** for static code analysis and software quality improvement.
 - Monitoring of application performance using **Prometheus** and **Grafana**.
 - Containerization of the application with **Docker** and service orchestration via **Jenkins**.
 - Development and deployment of a complete application based on **Spring Boot** (backend) and **Angular** (frontend).
- **GustoFusion: A restaurant management application based on a microservices architecture** October 2023 [Q]
Tools: Spring Boot, Microservices, React.js, PostgreSQL, Docker, Git
 - Development of the backend in **Spring Boot** with a **microservices** architecture, ensuring modularity and scalability.
 - Implementation of the frontend in **React.js**, providing a smooth and interactive user interface.
 - Database design and management with **PostgreSQL**, optimizing performance and data consistency.
 - Containerization of services with **Docker** and orchestration via **Kubernetes** for better deployment management.
- **eBio: A platform for local farmer management** January 2023 – May 2023 [Q]
Tools: MongoDB, Express.js, React, Node.js, Python, Machine Learning, Render
 - Development of **CRUD operations** for user and store management, improving efficiency and interaction with the system.
 - Implementation of **automated image scraping** to dynamically retrieve product images and enrich catalogs.
 - Design of a **machine learning-based recommendation system** in **Python**, offering personalized meals based on users' health needs.
 - Development and integration of a **REST API** to ensure smooth data exchange and system modularity.
 - Deployment of the application on **Render**, ensuring scalability and continuous integration.
- **Victorious: A cross-platform for organizing eSports tournaments** January 2022 – May 2022 [Q]
Tools: Java, Symfony, CodeNameOne, MySQL, Git
 - Development of the **Ads and News module**, allowing efficient management of announcements and news for organizers.
 - Development of **desktop, web, and mobile applications** using **Java**, **Symfony**, and **CodeNameOne**, ensuring a consistent cross-platform solution.

SKILLS

- **Programming Languages:** Rust, Python, Java, JavaScript, TypeScript, PHP, C#, C, PL/SQL, Shell, Batch
- **Web Technologies:** Next, React, React Query, Redux, Express, Rocket, Angular, .NET Core, Spring Boot, Django, Laravel, Symfony
- **Database Management Systems:** Supabase, PostgreSQL, Neo4j, MySQL, MongoDB
- **Cloud Technologies:** AWS, Render
- **DevOps & Version Control:** GitHub, GitLab, Jenkins, GitHub Actions, SonarQube, Prometheus, Grafana, Docker
- **Specialization Areas:** Leadership, Web Development, System Engineering
- **Other Tools & Technologies:** Git, Multipass, SAM, VMware, VS Code, Visual Studio, IntelliJ, Spring Tool Suite

EXTRACURRICULAR ACTIVITIES

- **Info Plus FST** 2016 - 2017 [Globe]
Computer Science Student Organization
 - **Human Resources Manager (2016):** Management of recruitment and training of new members.
 - **President (2017):** Supervision of projects, team coordination, and management of partner relations.
- **AIESEC Local Committee University** 2016 - 2017 [Globe]
International Student Leadership Organization
 - **OGE Team Member (2016):** Participation in international exchange initiatives and candidate support.
 - **OGE Customer Experience Team Leader (2017):** Team management to improve participant experience and optimize their engagement.

ADDITIONAL INFORMATION

Languages: Arabic (Native), French (Fluent), English (Fluent)

Interests: Gaming, Sports, Camping, Technologies