Firas **Jerbi**

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Education

Westsächsische Hochschule Zwickau
Zwickau, Saxony, Germany

M.Sc. in Management and Information Technology
Oct. 2023 – Jan. 2026

- Specialization: Software Engineering
- Final Grade: 1.3 (German grading system)

Higher School of Engineering and Technology (ESPRIT)
Ariana, Tunisia

M.Eng. in Computer Science
Sep. 2018 – Aug. 2021

- Specialization: Mobile and Web Development

Djerba Institute of Technology
Djerba, Tunisia

B.Sc. in Computer Science
Sep. 2015 – Jun. 2018

- Specialization: Multimedia and Web Development

Professional Experience

Various Open-Source and Collaborative Projects
Remote / Various Locations

Volunteer Full-Stack Developer
Jan. 2023 – Present

- Contributed to multiple projects, both open source and team-based, turning ideas into real, working applications.
- Supported and mentored junior developers and beginners, helping them build applications and grow their technical skills.
- Delivered full-stack solutions, covering both frontend and backend development using modern technologies.
- Collaborated in agile environments, including code reviews, version control, and task coordination.

Westsächsische Hochschule Zwickau (WHZ)
Zwickau, Germany

Research Assistant
Oct. 2024 – Dec. 2024

- Coordinated and provided technical support for the *TAZIZ* project in collaboration with Zwickau University of Applied Sciences and UTM-ENIT Tunis (funded by the DAAD).
- Organized project meetings, monitored work packages, and prepared progress and status reports.
- Analyzed, processed, and visualized project data to support decision-making and process optimization.

Treibstoff Evolution GmbH
Wiesbaden, Germany

Frontend Developer
Jan. 2024 – May 2024

- Designed, developed, and implemented new features for the mobile application *iQuest* using **React Native**, **TypeScript**, and **Laravel**.
- Improved code quality, performance, and UI responsiveness through refactoring and efficient component architecture.
- Designed modern, user-centered UI/UX interfaces to enhance overall user experience.
- Collaborated closely within an agile development team using GitHub, conducted code reviews, and managed tasks via Jira.

Gaea21
Remote

Full-Stack Developer & Project Lead (Internship)
Jan. 2021 – Jul. 2021

- Developed the web and mobile application *Green Index* using **Ionic 4**, **Symfony 4**, and **REST APIs**.
- Implemented interactive maps and data visualizations with **Mapbox** and custom UI components.
- Led a cross-functional team, planned sprints, and coordinated development activities.
- Ensured code quality, version control, and collaborative development through GitHub.

NetCapital
Remote

Full-Stack Developer (Academic Project)
Mar. 2020 – Jul. 2020

- Developed a website generator for customizable products as part of an academic project.
- Designed and implemented the complete software lifecycle—from architecture to deployment.
- Built frontend and backend functionalities using the **MERN stack** (**MongoDB**, **Express.js**, **React**, **Node.js**).
- Created a modular and scalable architecture with reusable components and RESTful APIs.
- Integrated dynamic product customization and user management features to improve flexibility and user experience.

Technipack *Tunisia*

<small>FULL-STACK DEVELOPER (PART-TIME)</small> *Jan. 2018 – Dec. 2020*

- Developed and maintained web and mobile applications using **ReactJS**, **React Native**, **Laravel**, and **REST APIs**.
- Integrated databases (PostgreSQL, MongoDB) and implemented secure user authentication and authorization systems.
- Modernized UI/UX designs and improved the performance of legacy applications.
- Planned, tested, and deployed digital solutions in an industrial environment in close collaboration with project teams.

Academic Mobility & Honors

2024–2025	**Erasmus+ Scholarship,** Erasmus+ scholarship for academic study at the Armenian State University of Economics (ASUE), Armenia, as part of the double degree Master's program in Management and Information Technology.	*Yerevan, Armenia*
2025	**DAAD Prize 2025,** The DAAD Prize 2025 is an award granted by the German Academic Exchange Service (DAAD) in recognition of outstanding academic and social achievements of international students at German universities.	*Westsächsische Hochschule Zwickau*

Skills

Programming Languages	Java, JavaScript (ES6+), TypeScript
Frameworks & Libraries	React, React Native, Redux, Next.js, Node.js, Express.js, Symfony, Spring Boot, TailwindCSS, Vue.js
Web Technologies	HTML5, CSS3, Responsive Design, RESTful APIs, GraphQL, Cross-Browser Optimization
Tools & Workflow	Git, GitHub, Jira, Webpack, Vite, Figma, Visual Studio Code, Agile/Scrum
Testing	Jest, React Testing Library, Cypress, Postman
Databases	PostgreSQL, MongoDB, Firebase
AI & Machine Learning	OpenRouter, scikit-learn, Unsloth (LLM Fine-Tuning)
Languages	German: C1, English: C1, French: C2

Personal Profile

<small>PROFILE</small>

- Dedicated software engineer with a strong focus on full-stack development and cross-platform web and mobile applications.
- Experienced across the entire software development lifecycle—from concept and implementation to testing and deployment.
- Structured and self-driven working style with a strong commitment to quality and clean, maintainable code.
- Team-oriented, communicative, and enthusiastic about innovative technologies and agile development environments.

<small>PROFESSIONAL MOTIVATION</small>

- Seeking a professional environment that values technical excellence, collaboration, and continuous learning.
- Particular interest in developing modern web applications with a strong focus on performance, usability, and sustainable architecture.
- I value open communication, mutual support, and a respectful, collaborative workplace culture.