# Doua Gannouni

**Software Engineer | QA Automation, Full Stack & AI Integration**

Tunisia | Open to Remote & International Opportunities | gannounidoua09@gmail.com | +216 22 338 664 | linkedin.com/in/gannounidoua

## PROFESSIONAL SUMMARY

Recent Software Engineering graduate with hands-on experience across software quality, test automation and full-stack web development. Built and tested web and mobile applications using React.js, Node.js, Express.js, MongoDB, MySQL, Playwright, Appium and Selenium. Developed AI-powered workflows with OpenAI API, Gemini API and n8n, including an autonomous QA agent connected to Jira. Comfortable working with Agile teams, REST APIs, Git, Docker and structured test processes. Detail-oriented, curious and motivated to build reliable digital products while growing as a QA Automation or Full Stack Engineer.

## CORE SKILLS

**Software testing & QA: manual testing, functional testing, regression testing, E2E testing, test case design, defect analysis, Jira and Allure Report**
**Test automation: Playwright, Appium, Selenium, Cucumber/BDD, Gherkin, Page Object Model, TypeScript, web and mobile testing**
**Full-stack development: JavaScript, TypeScript, React.js, Node.js, Express.js, REST APIs, JSON, JWT and Socket.io**
**Front-end & data: HTML5, CSS3, Tailwind CSS, Bootstrap, Redux Toolkit, React Router, MongoDB, MySQL and Firebase**
**AI & workflow automation: OpenAI API, Gemini API, LLM agents, AI chatbots, recommendation features and n8n workflows**
**Tools & methods: Git, GitHub, GitLab, Docker, npm, Postman (basic), Agile/Scrum, Kanban, UML, MVC and Design Patterns**

## PROFESSIONAL EXPERIENCE

### QA Automation & AI Engineer Intern - Webify Technology | Sousse, Tunisia | Feb. 2026 - Jun. 2026

- Designed and executed functional, regression and end-to-end tests for web and mobile components of a taxi-booking application.
- Automated web tests with Playwright and TypeScript and mobile tests with Appium using reusable BDD/POM architecture.
- Tracked defects in Jira, analysed failed scenarios and generated Allure reports to improve test traceability and communication.
- Built an n8n workflow connected to Jira to trigger tests when tickets entered validation and update results automatically.
- Developed an OpenAI-based QA agent to analyse tickets, select relevant scenarios, execute browser actions and report verdicts.
- Used Docker and GitLab to support temporary test environments and gained practical exposure to CI/CD principles.

### Full-Stack MERN Developer Intern - BeeCoders | Tunisia | Jul. 2024 - Aug. 2024

- Designed and developed a responsive e-learning platform using React.js, Redux Toolkit, React Router and Tailwind CSS.
- Built REST APIs and features for courses, users, authentication, notifications, an AI chatbot and course recommendations.
- Technologies: React.js, JavaScript, Node.js, Express.js, MongoDB, Gemini API, Git/GitHub, Vite and npm.

### Final-Year Project Intern - Full-Stack MERN Developer - Quetratech | Mahdia, Tunisia | Feb. 2023 - Jun. 2023

- Developed a business information system for managing clients, projects, employees, invoices, documents and statistics.
- Created responsive React interfaces, secure REST APIs, authentication, email services, dashboards and document exports.
- Technologies: React.js, JavaScript, Node.js, Express.js, MySQL, REST APIs, Git/GitHub and MVC architecture.

### Laravel Web Developer Intern - Top Niveau | Tunisia | Jul. 2022

- Contributed to a responsive real-estate platform connecting clients with property professionals.
- Developed and tested web modules using Laravel 8, PHP, MySQL, Bootstrap, HTML, CSS and JavaScript.

### Front-End Developer Intern - Office of Merchant Marine and Ports | Tunisia | Jul. 2021

- Created a static, responsive website presenting maritime services and adapted layouts for multiple screen sizes.
- Technologies: HTML5, CSS3, JavaScript and Bootstrap.

## EDUCATION

**National Engineering Degree in Computer Science, Software Engineering - EPI Digital School | 2024 - 2026**

Relevant coursework: software testing, full-stack development, software architecture, Design Patterns, artificial intelligence and Scrum/Kanban.

**First Year of Master's Program - IoT Services Development - ISET Mahdia | 2023 - 2024**

Focus: software architecture, web and mobile development, databases, testing and automation, embedded systems and C++.

**National Bachelor's Degree in Information Technology, Information Systems Development - ISET Mahdia | 2020 - 2023**

Fundamentals: algorithms, object-oriented programming, web and mobile development, databases and user-interface design.

## SELECTED PROJECTS

**Freelance Marketplace Platform - EPI Digital School | 2025**

- Developed a MERN platform connecting freelancers and clients with projects, proposals, messaging, user roles and payment workflows.
- Technologies: React.js, Vite, Tailwind CSS, Framer Motion, Node.js, Express.js, MongoDB, REST APIs and Socket.io.

**Scrumly - Agile Project Management Platform - EPI Digital School | 2025**

- Designed a MERN platform with projects, teams, sprints, backlogs, tasks, Kanban boards, notifications and progress tracking.
- Technologies: React.js, JavaScript, Node.js, Express.js, MongoDB, REST APIs, Git and responsive component-based design.

## CERTIFICATION, LANGUAGES & SOFT SKILLS

Certification: Artificial Intelligence - AI chatbots and recommendation systems, 9antra The Bridge, 2025.

Languages: Arabic - native | French - B2 | English - Intermediate (B1), currently improving.

Soft skills: analytical thinking, problem-solving, creativity, attention to detail, communication, teamwork, autonomy, adaptability and continuous learning.