

AYOUB JEBALI

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SUMMARY

Full-Stack Developer and MSc Computer Science student at the University of Passau (expected graduation August 2027) with hands-on experience building web applications, REST APIs, and mobile/embedded systems. Proficient in Python, TypeScript, React, Next.js, FastAPI, Django, and Docker. Seeking a Werkstudent (working student) or Praktikum position in software engineering, available 20 hours/week, in Germany or remote EU.

EDUCATION

University of Passau Master of Computer Science	Passau, Germany October 2024 – August 2027 (expected)
Faculty of Science of Tunis Bachelor of Computer Engineering: Embedded Systems and IoT	Tunis, Tunisia September 2020 – June 2023

TECHNICAL SKILLS

Languages: C/C++, Java, TypeScript/JavaScript, Python
Frameworks: React, Next.js, Node.js, Angular, Django, Flask, FastAPI
Databases: PostgreSQL, MySQL, SQLite, Firebase, SQL, NoSQL
DevOps/Cloud: Docker, GitHub Actions, CI/CD, Linux
Dev Tools: VSCode, Git, GitHub, Jira, Pytest
Concepts: REST APIs, Data structures, Design patterns, Microservices, Operating systems
Agile: Scrum, Kanban

WORK EXPERIENCE

Full-Stack Developer (Internship) <i>Neoxam</i>	February 2023 – August 2023 <i>Ariana, Tunisia</i>
- Constructed a full-stack web application in a team of four using Agile (Scrum) methodology, enabling automated data extraction, insertion, and query generation across multiple database environments with React, Django REST Framework, and SQLite. - Reduced manual data integration time by approximately 30% and boosted QA team efficiency by 20% through automation of query creation and database interactions. - Containerized and deployed the application using Docker, achieving 99% uptime and ensuring consistent, scalable access in production.	
Mobile and Embedded Developer (Internship) <i>Eklectic</i>	February 2022 – August 2022 <i>Tunis, Tunisia</i>
- Created an Android pedometer app for real-time daily step tracking, integrated with a smart shoe prototype using Arduino Nano and Bluetooth Low Energy (BLE). - Built in Java and XML using Android Studio, implementing an intuitive UI and efficient background data processing. - Integrated real-time synchronization with Firebase Realtime Database, supporting up to 500 concurrent users with no performance degradation.	

PROJECTS

CvGen | [GitHub](#)

- Engineered an open-source CV generator using Next.js (TypeScript), enabling users to create, preview, and export professional resumes directly in-browser.
- Implemented Google OAuth (NextAuth) with server-side JWT sessions, Supabase/PostgreSQL persistence via Drizzle ORM, and reusable React components to support secure CRUD operations for 500+ resumes, reducing manual workflow errors by 40%.
- Structured a modular template system and responsive UI, accelerating template creation and updates by 50%.

AngularQuiz | [GitHub](#)

- Engineered a full-stack quiz application using Angular (TypeScript) and Flask (Python), enabling real-time participation, scoring, and leaderboard tracking for 50+ simultaneous users with secure authentication.
- Integrated REST API for quiz creation, scoring, and progress tracking; containerized with Docker and introduced CI/CD pipelines, reducing deployment time by 60%.

FastAPI Clean Architecture | [GitHub](#)

- Built a production-ready REST API with FastAPI following clean architecture principles, featuring JWT authentication, user management, rate limiting, and comprehensive Pytest test coverage.

API for LLM | [GitHub](#)

- Developed a FastAPI-based REST API integrating Ollama for secure, credit-based LLM inference access, optimizing resource utilization for AI-driven applications.

ShadowRealms, 2D Game | [GitHub](#)

- Programmed a 2D RPG in Java using libGDX, engineering core gameplay mechanics including player interactions, enemy AI, and procedural map generation.

LANGUAGES

English — C1 (IELTS 7.5) **Arabic** — Native **French** — C1 **German** — B1