Mohamed Aziz Ktata
Software Engineer

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SKILLS

Languages and Tools	JavaScript, Python, C++, Java, Bash, TensorFlow, OpenCV, SQL, Git, Docker, Nomad.
Communication	English (Fluent), French (Fluent), German (Basic), Arabic (Native)

PROFESSIONAL EXPERIENCE

Software Engineer (full-time, hybrid)   **Feb 2025 - Present**
Guepard   *SF, California, USA*

- Developing a "Git for data" platform enabling instant database environments for multiple db providers, provisioning with branching, snapshots, and rollback capabilities.
  Skills: Data Infrastructure, Full-stack web development, agentic SaaS Product Development.
  Technologies: TypeScript, Node.js, ReactJS, PostgreSQL, Docker, Nomad, ZFS, AWS

Software Engineering Intern (part-time, hybrid)   **Aug 2024 - Oct 2024**
Open Organic Robotics (OORB)   *Sousse, Tunisia*

- Worked on OORB Studio, an AI-powered SaaS platform that simplifies robotics development through natural language-to-ROS code generation, in-browser CAD design, and real-time collaboration.
  Skills: System Design and Architecture, UX/UI Design, Fullstack Web Development, SaaS Product Development.
  Technologies: NextJS, Typescript, ReactJS, Tailwind CSS, Prisma, AWS, CAD, cloud-based LLMs

Software Engineering Intern (full-time, hybrid)   **Jun 2024 - Aug 2024**
"Kamioun" by Triga Technologies   *Tunis, Tunisia*

- Developed an Order Management System (OMS), an internal tool for monitoring orders coming from the E-commerce mobile app.
- Implemented back-end infrastructure for business metrics visualization, notification system, milk-run and audit logging feature.
  Skills: Software Design and Architecture, Fullstack Web Development
  Technologies: NextJS, Typescript, ReactJS, GraphQL, MongoDB, Magento, Typesense, Prisma, Tanstack Query.

Web Developer Freelancer (remote)   **Aug 2019 - Present**
Upwork Platform   *Tunis, Tunisia*

- Providing digital services to off-shore clients, mainly in web development and UX/UI design
  Tools: HTML, CSS, JavaScript, React, Git, Figma, VS Code

EDUCATION

Computer Science Engineering   **Sep 2022 - Sep 2025**
National Engineering School of Tunis (ENIT)

Pre-Engineering Studies (Mathematics & Physics)   **Sep 2020 – June 2022**
Preparatory Institute for Engineering Studies of Sfax (IPEIS)

Baccalaureate in Mathematics   **Sep 2016 – June 2020**
Pioneer High School of Sfax (Lycée Pilote Farhat Hached Sfax)

PROJECTS

Academic Project, *Object Detection and Visualization in Aerial and Satellite Imagery*   **Nov 2024 - Dec 2024**
Designed a solution to detect and visualize objects in aerial and satellite imagery, for urban planning.   ENIT, Tunis

Side Project, *Fuzzie: Automation Workflows Builder SaaS Full-Stack web application*   **Oct 2024 - Nov 2024**
Created a SaaS platform, "Fuzzie", designed to automate and streamline web application workflows.

End-of-year academic Project, *AI-powered Cloud Storage Full-stack web application*   **Jan 2024 - May 2024**
Developed a data storage cloud platform, equipped with face verification Deep Learning model for secure authentication.   ENIT, Tunis

Freelance Project, *Gym Franchise Administration Full-stack web application*   **Feb 2024 - May 2024**
Re-designed and developed a gym franchise web app, using ReactJS (Vite) and Django Framework.   ENIT Junior Enterprise, Tunis

Academic Project, *Job hunting Full-stack web application*   **Jan 2024 - May 2024**
Developed a job-hunting web platform using .NET, enabling recruiters to post job offers and job seekers to apply.   ENIT, Tunis

VOLUNTARY WORK

Senior Member at ENIT Junior Enterprise (ENIT JE)   **Sept 2022 – Present**
Senior member - IT Project team lead - Marketing team member : Worked on digital communication and IT projects for the past 2 years.

Event Communication OC member at Junior Enterprises of Tunisia (JET)   **Sep 2022 – Feb 2023**
Main video editor for JET'XPO 2K22 (+3000 participants), JOBS 2K23 (+600 Junior Entrepreneurs) events communication team.

Lights Camera Learn Association (LCL)   **Jul 2022 – Aug 2022**
Filmmaker intern at the LCL Tunis Summer Camp, directed a short film starring children from SOS Gammarth association.