BADR MELLAL

Rabat Morocco,
+212669355843,
badrm2611@gmail.com,
https://badr-mellal.netlify.app/

PROFILE

ABOUT ME:

Dedicated and dynamic IT professional with a distinguished 8-year career as a Software Developer, specializing in developing critical software and applications for defense operations. Transitioning from a successful tenure in the military, where precision, discipline, and problem-solving were paramount, to pursue my passion in the broader IT industry.

Holds a Master's degree in Applied Computing with a specialization in Offshoring from Morocco, and currently enhancing my expertise with a BSc degree in Computer Science from the University of London.

My military background instilled in me a strong work ethic, exceptional analytical skills, and the ability to thrive under pressure. Proficient in a comprehensive range of technologies including JavaScript, React, TypeScript, Next.js, Vite, Tailwind CSS, Node.js, Flutter, as well as backend development in Java and Python. Experienced in designing RESTful APIs and managing various databases such as Firebase, PostgreSQL, MySQL, and MongoDB. Eager to leverage my unique blend of military discipline, software development experience, and a fervent passion for IT to contribute to innovative projects and push the boundaries of technology in the civilian sector.

INTEREST:

$\Rightarrow$ Exploring new web technologies and trends

$\Rightarrow$ UI/UX design and prototyping Open-source contributions

$\Rightarrow$ Teaching and mentoring in web development

EDUCATION

DEGREE / DATE EARNED

- BSc in Computer Science (In Progress) 2022=>………
University of London
- IBM Full Stack Software Developer 2020
(Professional certificate)
- Master of Applied Computing: Offshoring 2014 => 2016
University of Med 6, Morocco

TECHNICAL SKILLS

⇒ Languages: JavaScript (ES6+), TypeScript, Java, Python

⇒ Frameworks/Libraries: React, Next.js, Vite, Node.js, Flutter, GSAP, Framer Motion

⇒ CSS/Design: Expertise in Tailwind CSS, advanced CSS3 techniques, HTML5, responsive web design, and adaptive layouts.

⇒ Proficient in creating visually engaging, user-centered designs, with a strong focus on UI/UX principles, accessibility, and cross-browser compatibility.

⇒ Design Tools: Proficient in a wide range of design tools and software including Adobe Creative Suite (Photoshop, Illustrator, After Effects), Sketch, Figma, and InVision. Capable of creating high-fidelity prototypes, wireframes, and visual assets that enhance user experience and engagement.

⇒ Animation and Motion Graphics: Skilled in crafting intricate animations and motion graphics using tools like GSAP, Framer Motion, and Adobe After Effects, adding a dynamic and interactive layer to web interfaces.

⇒ User Experience (UX): Deep understanding of user experience design, including user research, personas, user flows, and usability testing. Ability to translate complex requirements into intuitive designs.

⇒ Graphic Design: Strong background in graphic design principles, typography, color theory, and branding. Capable of creating promotional materials, logos, and branding assets that resonate with targeted audiences.

⇒ Databases: Firebase, PostgreSQL, MySQL, MongoDB

⇒ Tools/Platforms: Proficiency in Git and GitHub for version control, Docker for containerization, and experience with RESTful API integration. Familiar with Agile and Scrum methodologies for project management.

⇒ Web Performance Optimization: Knowledge of modern web performance techniques and best practices, including lazy loading, code splitting, and optimizing critical rendering paths to enhance page speed and user experience.

EXPERIENCE

Frontend Developer 2020-2023

⇒ Led the design and development of high-impact marketing websites and web applications using React, Next.js, and Tailwind CSS, ensuring responsive, accessible, and visually compelling user experiences.

⇒ Spearheaded the development of a component library using Tailwind CSS, enhancing UI consistency and speeding up the development process across projects.

⇒ Collaborated with cross-functional teams to prototype new features and refine user interfaces, emphasizing usability, aesthetics, and modern web standards. Implemented dynamic and interactive elements using advanced CSS and JavaScript, improving user engagement and overall site performance.

⇒ Contributed to the creation and maintenance of comprehensive documentation, including visual demos, to facilitate the understanding and adoption of complex web technologies.

⇒ Engaged in the full product lifecycle, from concept to deployment, focusing on creating intuitive and dynamic user interfaces with a strong emphasis on user experience.

⇒ Utilized Flutter for building cross-platform mobile applications, extending the reach of web functionalities to mobile users.

Backend Developer M headquarters 2017-2020

⇒ Developed and maintained scalable web applications using a tech stack that includes JavaScript, React, TypeScript, and Node.js, ensuring high-quality code and performance.

⇒ Spearheaded the development and maintenance of secure, high-performance backend systems critical to military operations, ensuring the integrity and reliability of sensitive data and communications.

⇒ Innovated and optimized database architectures using a mix of relational (PostgreSQL, MySQL) and NoSQL (MongoDB) databases, ensuring data consistency, scalability, and accessibility under high-stakes conditions.

$\Rightarrow$ Conducted rigorous testing and quality assurance procedures to detect and rectify vulnerabilities, ensuring the deployment of fail-safe systems capable of withstanding high-pressure scenarios.

$\Rightarrow$ Led the implementation of robust RESTful APIs to facilitate seamless data exchange between diverse military software systems and applications, improving operational efficiency and interoperability.

PERSONAL PROJECTS

https://familiaplan.vercel.app/

https://badr-mellal.netlify.app/

https://badrmellal-todos.netlify.app/

https://badrmellal-weather.netlify.app/

https://play.google.com/store/apps/details?id=com.badrmel.familiaplan

https://kuaisourcing.com

and much more desktop application…