BORHEN DKHIL

Web and Mobile Development Engineer

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EDUCATION

Engineering Degree in Web & Mobile Development
TEK-UP University, Ariana, Tunisia
September 2022- Present

Bachelor's Degree in Software Engineering & Information
Faculty of Science, Gabes, Tunisia
September 2017 - June 2022

PROFESSIONAL EXPERIENCE

Expense Tracking Platform Developer
Personal Project
February 2024 - May 2024

- Constructed a comprehensive web application for tracking personal and business expenses.
- Built a responsive front-end using Angular to provide an enhanced user experience.
- Applied Node.js and NestJS for the backend to ensure efficient data processing and security.
- Managed user data securely with MongoDB and implemented JWT for user authentication.
- Implemented role-based access control (RBAC) to manage user permissions.
- Created visual analytics and reporting tools for users to track their spending patterns.
- Set up automated email notifications for budget alerts and financial summaries.

Freelance Platform
Remote
October 2023 - January 2024

- Orchestrated the development of a platform connecting freelancers with job opportunities, boosting user engagement by 20%.
- Assembled an intuitive UI with HTML, CSS, and JavaScript, leading to a 15% reduction in bounce rates.
- Utilized JWT for secure user authentication and RBAC to manage user roles effectively.
- Enhanced MySQL database performance by 20%, improving data retrieval efficiency.
- Integrated a real-time messaging system, facilitating seamless communication between freelancers and employers.

Software Development Internship
Chemical Group of Gabes - Gabes,Tunisia
June 2023 - July 2023

- Created a JavaFX desktop application to centralize company data, improving data access efficiency by 30%.
- Engineered robust CRUD functionalities, enhancing data handling processes.
- Devised a secure authentication service using OAuth, protecting user data integrity.
- Conducted extensive testing and debugging, resulting in a 25% reduction in system errors.

End of the year project Internship
Sadeem -Gabes,Tunisia
February 2022 - June 2022

- Developed an integrated job hunting app for mobile and web platforms, resulting in a 40% increase in user engagement.

- Utilized Android for the mobile interface and Angular for the web interface, ensuring a seamless user experience across 500+ users.
- Leveraged Firebase for backend support, implementing secure login with Firebase Authentication, reducing unauthorized access attempts by 35%.
- Synchronized real-time data with Cloud Firestore, enhancing data retrieval speed by 50%.
- Added advanced search capabilities and real-time notifications, leading to a 25% increase in job application submissions.
- Conducted user testing and feedback sessions, improving the overall user satisfaction rate to 90%.

SKILLS

Programming Languages: Java, Python, PHP, JavaScript, HTML, CSS, SQL, C,C++,C#
Frameworks: Spring Boot, Angular, NestJS, Node.js, .Net
Databases: MySQL, MongoDB
Tools & Platforms: Git, Linux, Firebase
Methodology: Scrum
Languages: Arabic (Native), English (Intermediate), French (Intermediate)

PROJECTS

Freelance Platform
- **Technologies:** HTML, CSS, JavaScript, Spring Boot, MySQL, JWT, RBAC
- **Key Features:** User registration, profile management, job posting, application submission, messaging system, secure authentication, role-based access control..

Integrated Job Hunting App
- **Technologies:** Android, Angular, Firebase, Firebase Authentication, Cloud Firestore
- **Key Features:** Secure CV uploads, CRUD functionalities for job postings, advanced search capabilities.

Expense Tracking Platform
- **Technologies:** Angular, Node.js, NestJS, MongoDB, JWT, RBAC
- **Key Features:** Expense logging, budget tracking, visual analytics, user authentication, role-based access control, automated email notifications.

ASSOCIATIVE LIFE

Tech Lead
Microsoft Tech Club, TEK-UP University
Novembre 2022 - Present
  Organized and led tech events and workshops, enhancing club member skills and knowledge.

Active Member
GamingLAB, TEK-UP University
Novembre 2022- Present
  Collaborated on multiple gaming projects and competitions, contributing to successful project outcomes.

INTERESTS

Technology and innovation
Gaming and game development
Continuous learning and skill development