

HAZEM JBALI

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WORK EXPERIENCE

Hitech Solutions

Feb 2023 - Nov 2023

Full Stack Web Developer - Intern

Lisbon, Portugal

- Worked smoothly with designers, frontend, and backend devs, promoting communication and achieving project milestones efficiently.
- Employed Vue.js for dynamic, interactive frontend, enhancing user engagement with real-time updates for a modern experience along with Laravel for Backend logic.
- Implemented CI/CD pipelines utilizing Jenkins and Docker, resulting in a 40% time and a 25% improvement in code quality.

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July 2019 - Oct 2022

Software Engineer - Contractor

Ariana, Tunisia

- Led the creation of interactive SPAs using Angular and Laravel's RESTful APIs, achieving a 40% increase in user engagement and reducing frontend loading times by 25%.
- Overhauled the obsolete legacy source code of +10 projects using scalable Web stacks (React, Angular & node, Django & Bootstrap) and databases (MongoDB, MySQL) while integrating Devops practices for a +30% increase in overall system efficiency and faster time-to-market.
- Implemented the regression testing of projects by testing under a virtual environment and resulting in zero bugs.

Ministry of Social Affairs Tunisia

June 2021 - August 2021

Software Engineer - Intern

Tunis, Tunisia

- Developed a service that detects vulnerabilities of hundreds of equipment by analysing their logs collected in a database.
- Created weekly reports using SQL to extract data from a database, similar to the most recent data. Used Python to cleanse, analyse, and format the data.

SKILLS

Languages	English (Full proficiency), French (Native), Arabic (Native), German (Limited).
Programming	Python, JavaScript, C, C++, Go, PHP.
Databases	MySQL, PostgreSQL, MongoDB (NoSQL).
Frameworks	Angular, React, Vue, Flutter, Bootstrap, Figma, Django, Express, TensorFlow.
Tools	Shell, Git, Docker, VSCode, Android Studio, Jira, Jenkins, Slack, Docker, AWS.

EDUCATION

Superior Institute of Informatics Tunis Manar, Ariana, Tunisia

2019 - 2023

Applied Science and Technology Engineering Diploma. Graduated with the highest honors.

Relevant courses: Advanced AI, Ethical Hacking, Deep Learning, Software Architecture, DevSecops Data Cloud Computing, Software Testing and QA, Advanced Social Media Analysis.

Superior Institute of Informatics Tunis Manar, Ariana, Tunisia

2016 - 2019

Bachelor of Science and Technology.

Relevant courses: Data Structures & Algorithms, DBMS, OOP, Web Development, Networks programming, Systems programming, Computability, Functional programming, Cyber-security.

CERTIFICATES

- Cisco Cybersecurity Essentials.
- CCNAs: CCNA 1, CCNA 2 and CCNA 3.
- IBM Blockchain Certificate.
- PYTHON.

PROJECTS

Automated Code Review System – AutoCode Rev

December 2023 - Present

- Spearheaded the development of an automated code review system aimed at enhancing code quality and reducing manual efforts in the review process. Leveraged machine learning algorithms for code analysis and pattern recognition, resulting in a 30% reduction in review time. *Python, TensorFlow, Docker.*

Logistic Python Automated Bot – SupplyChain

September 2022 - December 2022

- Implemented a Python-based automated system using data science techniques to optimize stock replenishment and provider management, leading to substantial improvements in maintaining in-stock inventory levels. Leveraged historical sales data and predictive analytics to forecast demand and automatically trigger reorder points, resulting in a 25% reduction in stockouts and a 30% decrease in excess inventory. *Python, Pandas, NumPy.*

Security Bot for Exploit Detection – CyberGuard

April 2021 - September 2021

- Engineered a security bot scraping NVD data, instantly alerting admins to new exploits, including 0-day vulnerabilities, for rapid response and mitigation. Implemented web scraping techniques to gather vulnerability information from the National Vulnerability Database (NVD) and employed machine learning algorithms for anomaly detection to identify potential threats proactively. As a result, reduced the mean time to detect (MTTD) vulnerabilities by 40% and bolstered the organization's cybersecurity posture. *Python, BeautifulSoup, Scikit-learn.*

AI-Powered Customer Support Chatbot

March 2021 - December 2021

- Engineered an AI-powered chatbot for automating customer support inquiries and enhancing user experience. Employed natural language processing (NLP) techniques to understand user queries and provide accurate responses, resulting in a 40% reduction in support ticket resolution time. *Python, TensorFlow, Flask.*

E-commerce Recommendation Engine – Market Dynamics

January 2020 - June 2020

- Designed and developed a personalized recommendation engine for an e-commerce platform to enhance product discovery and boost sales. Utilized collaborative filtering and machine learning algorithms to generate personalized product recommendations, resulting in a 20% increase in conversion rates. *Scikit-learn, Django, PostgreSQL.*

HONORS AND AWARDS

ISI 2019 Enterprise Award

The 2019 ISI Enterprise Award commends an individual's outstanding networking and organizational prowess in the startup community, driving growth and collaboration between leading startups and the host university.

Best Team Player Award

A distinguished honor that emphasizes the ability to collaborate effectively, foster a supportive work environment, and consistently contribute to team successes. Aquired during 2020 National cyber Hackathon