BAHA FERCHICHI

FULL STACK WEB DEVELOPER

▪ **Email :** bahaferchichi@outlook.com   ▪ **Github :** github.com/ferchichibaha7

▪ **Phone :** +216 29 204 755   ▪ **LinkedIn :** linkedin.com/in/ferchichibaha7

▪ **Address :** Tunisia,Tunis

SUMMARY

Full Stack Web Developer with 4+ years of professional experience specializing in Ruby on Rails, Node.js, Angular, and JavaScript frameworks. Proficient in backend development and UI/UX design, dedicated to delivering seamless, user-friendly, and efficient web applications.

TECHNICAL SKILLS

- **Languages and frameworks :** Ruby on Rails 5, Angular 2+, Node.js, Express js, TypeScript, React, JavaScript, Ruby, Java, Spring Boot, Python, D3.js, Tailwind, Bootstrap
- **Databases :** MySql, Postgres, MongoDB, Elasticsearch
- **Ui/UX and Design :** Adobe XD, Figma, Adobe photoshop, Adobe illustrator
- **Tools :** vscode, git
- **Operating System(OS)** : Linux, Windows
- **Devops** : Docker
- **Modeling** : UML

EXPERIENCE

AXIANS CYBERSECURITY - Full Stack Web Developer (REMOTE)   Jun 2021 - Present | *TUNISIA*

Development of the "CERT Axians IT" platform which offers alert, information, supervision, and analysis services to protect against computer attacks.

- **Malware Analysis Integration:** Integrated an automated malware analysis module with Cuckoo Sandbox for enhanced security insights.
- **Search Engine with Sphinx:** Implemented an advanced search engine using Sphinx to index and search over 15,000 vulnerabilities, enabling fast and accurate searches.
- **MISP Integration:** Successfully integrated with the Malware Information Sharing Platform (MISP), enhancing the cybersecurity infrastructure for efficient sharing and analysis of malware information.
- **PDF Conversion Module:** Implemented a PDF conversion module using the Prawn gem for seamless document generation and manipulation.
- **Subscription-based API:** Created an API to manage user subscriptions, including rate-limiting for stable performance.
- **Migration to Angular 15:** Migrated the project from Angular 5 to Angular 15, improving the user interface and experience.
- **Dynamic Chart Development:** Developed dynamic charts using ng2-charts and apexcharts.js to visually represent data in real-time.

- **Dynamic Calendar Implementation:** Implemented a dynamic calendar allowing users to schedule events and receive notifications, enhancing user engagement.
- **Vulnerabilities Dashboard:** Implemented a responsive Vulnerabilities Dashboard, showcasing attacks' map, last 10 attacks, and attacks categorized by country, type, and source.
- **Dynamic Threat Map:** Developed a dynamic map using Leaflet displaying the threat level for each country, improving the visualization of security data.
- **Implemented Python Scripts:** Developed scripts to collect data from AlienVault, Shodan, and VirusTotal, enhancing cybersecurity data analysis.
- **Platform Deployment:** Deployed and secured access to the "CERT Axians" platform, focusing on user-friendly and secure front-end features.
- **Bug Fixing and Troubleshooting:** Conducted bug fixing and troubleshooting to ensure the reliability of both back-end and front-end functionalities.

Tech Stack:

Angular 5 and 15, Ruby on Rails 5, Ruby, Python(Scripts),redmine3, JWT, JSON, MySQL, Thinking sphinx, Elasticsearch, JavaScript, JQuery, CSS3,HTML5, Bootstrap, GIT

6NLG CYBERSECURITY - Full Stack Web Developer (OFFICE)   Oct 2020 – Jun 2021 | *TUNISIA*

Development of the " SECNOLOGY ". The purpose of the application is to coordinate and automate the response to incidents in all fields (finance, security, health, etc.).

- **JSON & GCF Configuration Module:** Developed a Configuration module utilizing JSON and GCF, providing a modular and configurable approach to application settings.
- **Automated Log Processing**: Enhances data flexibility through customizable log workflows, including compression, decryption, merging, and filtering.
- **D3.js Statistics Visualization Module:** Implemented a Statistics module using D3.js, leveraging dynamic charts and diagrams for in-depth data visualization.
- **Real-time Notifications:** Implemented a module using socket technology for instant incident updates, facilitating prompt user responses.
- **Python-Selenium Test Automation:** Used Python scripts with Selenium for automated testing, ensuring application reliability and quality assurance.
- **Responsive UI Design and Management:** Designed and managed responsive UIs with a focus on cross-browser compatibility and optimal user experience.

Tech Stack:

Angular 7, Node.js, D3.js, Python(Scripts) , JWT, JSON, Socket io, JavaScript, Express js, CSS3,HTML5, Bootstrap, GIT

6NLG CYBERSECURITY – Internship (OFFICE)   Mar 2020 – Sep 2020 | *TUNISIA*

Development of a cybersecurity web app " SECNOLOGY ", The application aims at coordinating and automating incident response in all areas.

- **Web Modernization:** Transformed a C++ desktop application into a responsive web application with Angular and Express.js, enhancing accessibility and platform versatility.

- **Automated Log Processing:** Built the "Jobs" Module for users to create customizable log processing workflows, freeing analysts and boosting their productivity.
- **Log toolkit:** Compress, decrypt, merge, filter, and more... Handle diverse log formats with ease.

  Tech Stack:

  Angular 7, Node.js, Express js, JWT, JSON, JavaScript, JQuery, CSS3, HTML5, Bootstrap, GIT

BIAT Insurance – Internship (OFFICE)   Mar 2018 – Jun 2018 | *TUNISIA*

Design and development of an intranet. The application is used to share information and resources within an organization (files, events, articles …)

- **Authentication module :** Developed secure authentication using Java Spring Security.
- **User management module :** Utilized Java Spring Security for role management and implemented CRUD operations for user profiles.
- **Content Management:** Created models for events, articles, and files, implementing CRUD operations for each.
- **Responsive UI Design :** Designed responsive user interfaces using html, css, javascript and bootstrap, optimizing for various screen sizes and devices.

  Tech Stack:

  Spring Java, Java Server Pages (JSP), UML, Apache Tomcat, hibernate, OracleDB

EDUCATION

Faculty of Sciences of Tunis, University of Tunis El Manar

- Master's Degree in Network and Telecommunication   **2020**
- Bachelor's Degree in Computer Science   **2018**

LANGUAGES

- **Arabic** : Native
- **English** : Proficient
- **French** : Proficient