

Bassem Bahsoun

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EDUCATION

Al Kon Global International School

British Senior High School Diploma

Jeddah, Saudi Arabia

2014 – 2018

American University of Beirut

Bachelor of Arts and Sciences in Computer Science

Beirut, Lebanon

2018 – 2022

EXPERIENCE

Khaddit Beirut

Full Stack Developer (FYP)

Jan 2021 – Aug 2021

Beirut, Lebanon

- **Full-Stack Application Development:** Created a Django-based COVID Tracking Application, managing both front-end and back-end development tasks.
- **Backend Development:** Architected a robust Django backend by designing a comprehensive PostgreSQL schema and optimizing SQL queries to power interactive, data-driven dashboards. Developed RESTful APIs with an integrated data access layer and implemented business logic for pagination, sorting, filtering, and searching, while ensuring system security through secure authentication and role-based access controls.
- **Front-End Development:** Crafted a sleek, user-centric interface using Material Design components, continually refined through direct feedback from nurses and doctors to ensure optimal usability.
- **Collaborative Requirement Gathering:** Worked closely with management, nurses, and doctors to capture detailed requirements and conduct regular demos for feedback.
- **Version Control & Code Quality:** Maintained high code standards and collaborative workflows using GitHub for version control and conflict resolution.

FITS Consulting

Technical Consultant

Aug 2022 – Dec 2022

Beirut, Lebanon

- **Full Stack Development:** Designed and implemented web applications using HTML, CSS, and JavaScript, and Hopex creating responsive and accessible interfaces tailored to client needs.
- **Reporting Frameworks & System Enhancements:** Worked on comprehensive reporting frameworks, meta-models, technical upgrades within Mega Hopex.
- **Agile Collaboration:** Engaged in daily scrums, sprint planning, and backlog reviews using Jira, contributing to effective project management and timely delivery.
- **Client Training & Demos:** Conducted training sessions and live demonstrations to effectively showcase functionalities and incorporate client feedback.
- **Workshops & Requirements:** Led workshops to gather and analyze client requirements, translating them into precise technical specifications.

Monty Mobile

Full Stack Intern

Jan 2025 – Present

Beirut, Lebanon

- **Front-End Development:**
 - * Developed a user management application with React as part of personal learning projects.
 - * Implemented a secure authentication flow with robust form handling, validation, and error reporting.
 - * Integrated Firebase Auth for user identity management and session persistence, and leveraged Firebase Realtime Database to store and sync user records in real time—connecting both authentication and data state to Redux for application-wide control.
 - * Utilized Axios for HTTP requests to consume RESTful APIs—handling query parameters, response caching, and error states.
 - * Modernized an HTML/JavaScript system into a React SPA with features like dark/light mode, multi-language support (via Context API/Redux), custom pagination, and infinite scrolling.
- **Back-End Development:**
 - * Explored scalable API development by building RESTful and gRPC APIs using ASP.NET Core 6, EF Core, Dapper, and PostgreSQL, and integrated Razor Pages for dynamic, server-rendered interfaces.
 - * Experimented with caching and session management by incorporating Redis, enhancing performance for high-volume data models.
 - * Conducted comprehensive load testing (10K+ concurrent requests) and benchmarking of gRPC implementations against the REST APIs to optimize performance in simulated environments.
 - * Researched and prototyped message-brokering solutions, including an Apache Pulsar integration via Docker, to evaluate potential enhancements in system reliability and scalability.