Saif Aqel

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PROFILE

Frontend-focused Software Developer with 2+ years' experience building responsive web applications in React and TypeScript, plus hands-on exposure to Next.js and full-stack (Node.js, Express, MongoDB). Experienced in ArcGIS JavaScript API & REST APIs for interactive maps and Utility Network integrations. Proven track record of delivering scalable, production-ready applications while ensuring client satisfaction and optimizing system performance.

EMPLOYMENT HISTORY

TEKLABZ | Technology Labs for Software Industry   **Amman, Jordan**
Software Developer   *Mar 2023 – Present*

- Developed and delivered a production-ready GIS web app for international telecom customers, from prototype to stable release.
- Built key React/TypeScript modules with ArcGIS APIs to manage and visualize, create andedit network assets.
- Implemented tools for fiber assignments/reservations, input validation, and reusable UI components.
- Created ArcGIS add-ins to automate FTTH network design, cutting manual steps and improving data accuracy.
- Provided support to STC Projects and mentored junior developers on React best practices.

Between The Lines Jo   **Amman, Jordan**
Graphic Designer (Part-time)   *Aug 2016 – Sep 2017 (Part-time)*

- Created visual content for print and digital media using Photoshop, Illustrator, After Effects, and Premiere.

TECHNICAL PROJECTS

Telecommunication Network Manager (TNM), TEKLABZ | Technology Labs for Software Industry   **Amman, Jordan**
[Product Story map](#)   *May 2023 – Present*

- Primary project at TEKLABZ (1.5+ years): **TNM**, a next-gen SaaS GIS platform replacing **Esri ArcGIS Pro** for telecom network planning and engineering. Enables admins and engineers to model, build, and manage end-to-end network infrastructure in a web app.
  1. Built/led core modules from scratch: **Work Orders, Feature Sketching & Editing, Mass Deletion, Inventory Browser, Model Palette, Association Editor, Connectivity Manager, Tracing Tools, Print Layout, Saved Maps, Admin and Model Builder**.
  2. Implemented with **TypeScript**, **React**, **Tailwind CSS**, **React Hook Form**, **TanStack Query**, **AG Grid**, custom hooks/components.
  3. Designed and implemented complex telecom data models and workflows (such as units, splices, trays, strands, ports, and chassis) using **TypeScript's discriminated-union and generic typing patterns** to ensure strong type-safety and maintainability and solved complex operations like feature deletion and large-scale child/associated feature removal by designing and discussing solutions with the team.
  4. Integrated **ArcGIS JS API**, **REST API** as third-party APIs & **Utility Network** concepts for telecom GIS.

Fiber Assignment System (FAS) STC, TEKLABZ | Technology Labs for Software Industry   **Amman, Jordan**
                                                                                                      Jun 2024 – Dec 2024

- Web-based application for recording, designing, and managing fiber assignments and reservations for STC Saudi via Ericsson.
  1. Developed more than **80% of the frontend** using **React, Mantine Core, TanStack Query, AG Grid, Axios, React Router, and Zustand**, and implemented a few backend endpoints in **.NET Core** with **Oracle Database**.
  2. Collaborated with backend and QA teams, helped define data types and structures for **complex telecom datasets**.
  3. **Implemented a secure authentication system** using **access tokens** and **refresh tokens** to protect API communication and user sessions.

STC Distributed Design Automation STC, TEKLABZ | Technology Labs for Software Industry   **Amman, Jordan**
                                                                                                      Feb 2024 – Jun 2024

- An add-in customized software tool and automations on ArcGIS Map that are built on top of its physical inventory "Ericsson Network Engineer", to automate the design and digitization of its FTTH network within NE inventory.

Library Management System – Personal Project (*In progress***)** [GitHub repo](#)   **Amman, Jordan**
                                                                                                      Oct 2025 – In progress

- Developed a **Next.js 15** library management app with **React 19**, **TypeScript**, and **TailwindCSS 4**.
- Implemented **secure JWT authentication** using **NextAuth v5** and **bcryptjs**.
- Built a **PostgreSQL** database via **Drizzle ORM** on **Neon Serverless**.
- Used **React Hook Form + Zod** for type-safe form validation and **Sonner** for user feedback.

Secure Notes App with JWT– Personal Project [Live demo](#) [GitHub repo](#)   **Amman, Jordan**
Sep 2025 – Oct 2025

- • Designed and implemented a **100% secure authentication and authorization system** in a MERN-based notes app.
- • Utilizes **refresh tokens stored in HTTP-only cookies** and **access tokens managed in Redux store** to ensure secure session handling.
- • Implements **role-based access control (RBAC)** to handle different user roles and **protect both API endpoints and frontend routes** based on permissions.

The Spider Game | Artificial Intelligence Course | THE HASHEMITE UNIVERSITY [GitHub repo](#)   **Zarqa, Jordan**
Mar 2021 – Apr 2021

- Developed **The Spider Game** in **Python (Pygame)**, featuring a knight-like spider hunting an ant using **BFS, DFS, A*, and three heuristic algorithms.**

Workout Tracker MERN App with JWT – Personal Project **[Live demo](#)** [GitHub repo](#)   **Amman, Jordan**
Aug 2025 – Aug 2025

- Developed a MERN workout app with JWT, secure CRUD operations, and serverless rate limiting to prevent API abuse.

Business Gate Application | Graduation Project | THE HASHEMITE UNIVERSITY [GitHub repo](#)   **Zarqa, Jordan**
Oct 2022 – Feb 2023

- Developed **Business Gate**, a mobile app for creating and sharing personalized website profiles via QR codes, using **Flutter, PHP APIs, MySQL**, and designed with **Figma, Illustrator, and Photoshop**.

Titanic Project| Machine Learning Course | SHAI For AI [GitHub repo](#)   **Amman, Jordan**
2021 – Aug 2021

- Explored and cleaned the Titanic dataset, then built and tested predictive models using Python, Pandas, NumPy, Matplotlib, and Seaborn, applied multiple machine learning algorithms, including Logistic Regression, K-Nearest Neighbors, Decision Tree, and Random Forest from scikit-learn, to predict passenger survival and evaluated their performance using accuracy, precision, recall, F1-score, and confusion matrices.

Samsung A7 & A5 2017 Launch Booth | Between The Lines Jo   **Amman, Jordan**
Jan 2017 - Feb 2017

- Designed and edited live green-screen photos at Samsung's A7/A5 (2017) launch to showcase camera features.

EDUCATION

The Hashemite University (Jordan)   **Cumulative GPA: 3.44 out of 4.00**
Bachelor of Business Information Technology (BIT)   *Class of 2023*
University of Piteşti, (Piteşti, Romania)
Erasmus+ Cultural Exchange

One Semester, Oct 2021 - Feb 2022

TECHNICAL SKILLS

- ***Front-End:*** *React, TypeScript, Tailwind, Mantine, TanStack Query, React Hook Form, Zustand, Redux, AG Grid React, React Router, React Flow, Vite, Next.js*
- **Back-End:** Node.js, Express.js, MongoDB, JWT, Upstash Rate Limiter**Python, Java, C#, C++, Flutter** *(Intermediate)*
- **GIS:** ArcGIS JavaScript API, ArcGIS REST APIs, ArcGIS Utility Network, Calcite Design System
- ***Languages:*** *Python, Java, C#, C++, Flutter (intermediate)*
- **Tools:** Git, NPM, Jenkins, Scrum/Agile
- ***Design:*** *Figma, Illustrator, Photoshop*
- **ML***: Python, Pandas, NumPy, Matplotlib, Seaborn, scikit-learn (Beginner)*

ADDITIONAL INFORMATION

Languages: *Arabic (native), English (fluent, written & spoken)*

Soft Skills*: Collaboration, communication, problem solving, adaptability (demonstrated by mentoring juniors, being a fast learner, and quickly understanding new business domains).*