

# SULIMAN YOUSEF

Software Engineer | Full Stack Developer

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## Summary

**Software Engineer** specializing in designing scalable **SaaS** and **Enterprise Systems**. Expert in transforming complex requirements into high-performance applications using **Laravel & React.js**. I provide organizations with robust **API architectures**, secure **database systems**, and seamless user experiences, ensuring technical excellence and on-time delivery.

## Experience

- Full Stack Software Engineer**, Freelance / Independent Consultant – Remote Jan 2025 – present
- Engineered the "**Foundations of Prevention**" (**FOP**) platform using **React.js & MUI**, delivering a fully accessible corporate dashboard.
  - Integrated robust **RESTful APIs** enabling seamless data sync and reducing page load times by **40%** via efficient state management (**Redux**).
  - Managed full **SDLC** and collaborated with stakeholders to ensure **100% on-time delivery** using Agile/Scrum methodologies.

## Projects

- Smart University Registration System** 2025
- Architected a **High-Concurrency API** using **Laravel 11**, implementing **Pessimistic Locking** and **Database Transactions** to eliminate race conditions.
  - Designed a normalized **PostgreSQL** schema with polymorphic relationships, optimizing query performance via **Eager Loading** and Indexing.
  - Developed automated background jobs (Queues/Redis) to process waitlist promotions asynchronously, ensuring stability during peak loads.
- DevStation (Social Platform)** 2025
- Built a scalable **CMS** and real-time **Feed Algorithm** using optimized SQL queries to fetch personalized content efficiently.
  - Generated automated **API Documentation** using **Scramble** to facilitate frontend integration and third-party developer usage.
  - Implemented dynamic interactions (Likes, Comments) and User Profiles using polymorphic relationships to foster community engagement.
- Makhzon API (Inventory System)** 2025
- Engineered a strict **Transactions Engine** that automates stock adjustments (In/Out) to ensure **Data Integrity** and prevent manual errors.
  - Developed a secure API with **Laravel Sanctum** (RBAC) and integrated **Excel Exports** for automated financial reporting.
  - Implemented smart logic for **Low-Stock Alerts** and advanced filtering using API Resources to enhance business decision-making.

## Skills

**Core Concepts:** Agile / Scrum, SDLC, TDD, OOP, MVC Pattern, System Design, RESTful APIs, CI/CD

**Backend Stack:** Laravel (Eloquent, Queues), PHP 8+, Node.js, Express.js, Swagger/OpenAPI, Authentication (JWT/Sanctum)

**Frontend Stack:** React.js (Hooks), Next.js (SSR/CSR), TypeScript, Redux Toolkit, Tailwind CSS, Material UI, Framer Motion

**DB, DevOps & Langs:** PostgreSQL, MySQL, SQL Optimization, Git/GitHub, Docker, Linux | **Arabic (Native), English (Pro)**

## Certifications

**Frontend Developer (React):** HackerRank | 2025

**Modern Laravel Architecture:** Laracasts | 2025

**Full Stack Web Development:** Satr Platform (SAFCSP) | 2024

## Education

**Taibah University**, Bachelor of Science (B.Sc.) in Computer Science – Madinah, Saudi Arabia

Sept 2020 – June 2025

• **Capstone:** Smart-life-organizer – An intelligent habit management app with voice interaction.

• **Relevant Coursework:** Software Engineering, Database Systems, Web Engineering (Top Performing Projects).