KHAWLA SARHAN

Full-Stack Developer | MERN Stack & DevOps Computer Networks Graduate transitioning to Software Development

Email: **khawlasarhan92@gmail.com** | Phone: +963 937 312 600 GitHub:**https://github.com/khawlasarhan92-dev** | LinkedIn:**https://www.linkedin.com/in/khawla-sarhan-fullstack** | Portfolio:**https://my-portfolio-b6a.pages.dev** Location: Damascus, Syria | Open to remote or onsite opportunities.

PROFESSIONAL SUMMARY

Computer Networks Engineering graduate with IT sector experience, now specializing in **Full-Stack Development & DevOps**. Self-taught developer with hands-on experience building production-ready applications from concept to deployment. Strong analytical foundation from networking background applied to modern software development workflows including **containerization, CI/CD, and cloud deployment**. Seeking a Junior/Entry-level role where technical foundation and continuous learning can contribute to innovative projects.

CORE TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3
- **Frontend:** React.js, Next.js,Zustand, TanStack Query, Redux Toolkit, Tailwind CSS, Responsive Design
- **Backend:** Node.js, Express.js, RESTful APIs, MongoDB (Aggregation Pipelines), RESTful APIs.
- **DevOps & Deployment:** Docker, CI/CD (GitHub Actions), Nginx Reverse Proxy
- **Real-Time:** Socket.io (WebSockets), Live Syncing, Real-time Notifications.
- **Cloud & Platforms:** Render, Cloudflare Pages, Cloudinary

SELECTED PROJECTS

1.Taskly — Enterprise Task Management & Real-Time Ecosystem | (Feb 2026)

-> **Live Demo: https://task-manager-frontend-0pvi.onrender.com**

- ****Real-Time Engine:****Architected a high-concurrency synchronization layer using **Socket.io**, enabling instant task updates, live comments, and presence tracking across multiple clients.
- **Advanced State & Cache:** Optimized frontend performance using **TanStack Query** for intelligent server-state caching and **Zustand** for persistent session management.
- **Secure Infrastructure:** Implemented granular **Role-Based Access Control (RBAC)** and secure **JWT-based Middlewares** for both REST API and WebSocket handshakes. Registry
- **DevOps & Scalability:** Fully containerized using **Docker** with **Nginx** reverse proxy and **GitHub Actions** for automated **CI/CD** pipelines

2. DevOps Practice — Full-Stack Task Management with CI/CD | (November 2025)

-> **GitHub: https://github.com/khawlasarhan92-dev/DevOps-Practice**

- **Production-Ready Development:** Built complete MERN stack application with responsive React frontend and RESTful API backend
- **DevOps Implementation:** Created comprehensive **Docker containerization** for all services (Frontend, Backend, Database, Nginx Proxy)
- **CI/CD Pipeline:** Implemented automated **GitHub Actions** workflow with testing, building, and deployment to GitHub Container Registry
- **Kubernetes Ready:** Configured complete **Kubernetes manifests** for scalable cloud deployment with proper networking and storage
- **Technologies:** React.js, Node.js, Express, MongoDB, Docker, Kubernetes, GitHub Actions, Nginx

3. KH Media App — Real-Time Social Platform (Next.js, Socket.IO, TypeScript) | (2025)

-> Live Demo: **https://kh-media-app.pages.dev**

- **Real-Time Core:** Implemented live chat, user presence, and instant notifications using **Socket.IO** with JWT authorization for secure data exchange.
- **Security & Auth:** Developed secure, token-based authentication (JWT) and user registration with **Email Verification (OTP)** logic.
- **Performance:** Optimized user experience using Next.js Image Optimization, lazy loading, and a responsive UI built with Tailwind CSS.

4. Full-Stack E-commerce Platform (Client + Admin Portal) | (2025)

-> Live Demo: **https://mernstack-e-commerce-store.pages.dev**

- **Admin & Security:** Implemented robust **Role-Based Access Control (RBAC)** for admin routes, enabling secure management of product, order, and user data lifecycles.
- **Data Management:** Engineered advanced product filtering and search capabilities utilizing **MongoDB Aggregation Pipelines**.
- **State Management:** Utilized **Redux Toolkit** for stable, client-side cart and favorites state management, integrating a secure checkout flow.

PROFESSIONAL EXPERIENCE

Full-Stack Developer (Self-Directed Projects) | April 2023 - Present

Personal Development | Damascus, Syria

- **Career Transition:** Successfully transitioned from IT operations to software development through intensive self-learning and project-based experience
- **Technical Growth:** Mastered MERN stack technologies and modern DevOps practices through real-world application development
- **DevOps Skills:** Gained hands-on experience with containerization, CI/CD pipelines, and cloud deployment strategies
- **Problem Solving:** Applied analytical skills from networking background to debug complex applications and optimize performance

IT Specialist | 2016 - 2023

Government Sector | Damascus, Syria

- Managed IT infrastructure and provided technical systems support.
- Gained experience with system administration and troubleshooting
- Developed strong analytical and problem-solving skills in structured technical environments

EDUCATION

Bachelor's Degree in Informatics Engineering | University of Aleppo | Aleppo, Syria | 2010-2015

- **Focus:** Software Engineering, Data Structures, System Design
- Strong academic foundation in computational logic and algorithm design that directly enhances full-stack development.

ADDITIONAL QUALIFICATIONS

- **Self-Learning Excellence:** Proven ability to master complex technologies independently
- **Cross-Platform Skills:** Experience with both system-level and web application technologies
- **Languages:** Arabic (Native), English (Working Proficiency)
- **Problem-Solving:** Strong analytical approach from engineering and networking background
- **Adaptability:** Successfully transitioned career focus while building on existing technical strengths