

KHAWLA SARHAN

Full-Stack Developer | MERN Stack & DevOps

Computer Networks Graduate transitioning to Software Development

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[GitHub](#) | [LinkedIn](#) |

[Portfolio](#)

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, Redux Toolkit, Tailwind CSS, Responsive Design
- **Backend:** Node.js, Express.js, RESTful APIs, MongoDB (Mongoose), JWT Authentication
- **DevOps & Deployment:** Docker, Kubernetes, CI/CD (GitHub Actions), Nginx Reverse Proxy

- **Tools:** Git/GitHub, Socket.IO, VS Code, Postman, MongoDB Compass
- **Cloud & Platforms:** Render, Cloudflare Pages, Clouinary

SELECTED PROJECTS

1. 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

2. 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.

3. 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 support for government systems
- * 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

- * **Specialization:** Computer Networks & System Design

- * **Relevant Coursework:** Software Engineering, Data Structures, System Design, Network Protocols, Database Systems

- * Strong technical foundation in system architecture that enhances understanding of full-stack development and deployment

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