YOUSIF ELHASSAN

Senior Full Stack Software Engineer / Team Lead

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PROFILE

- Senior Full Stack Software Engineer with **8+ years of experience** delivering enterprise-grade solutions for government and commercial clients. Expert in **React/Next JS** and **.NET Core** with a proven track record leading Agile teams, mentoring developers, and driving client-facing projects from concept to production. **Pioneer in AI-assisted development using Claude Code with advanced context engineering** to accelerate delivery while maintaining architectural consistency. Successfully delivered complex full-stack applications serving 500+ users across 35+ international locations, with expertise in **Clean Architecture**, **OWASP Top 10 security practices**, and **cloud infrastructure (Azure AD, Docker)**. Bilingual (Arabic/English), enabling effective stakeholder communication across Middle East markets.

CORE COMPETENCIES

Full-Stack Development | AI-Assisted Development & Context Engineering | Team Leadership | Clean Architecture | Linux Server Management | DevOps & CI/CD | Database Design | Project Management | Client Relations

WORK EXPERIENCE

Senior Full Stack .Net Developer / Team Lead   12/2020 – present
Bahrain National Guard   Manama, Bahrain

- Lead full-stack development and Agile team coordination for enterprise digital transformation initiatives, managing technical execution while mentoring junior developers. **Technical Leadership & Client Delivery:**
- Architect and deliver complex web applications using **React/Next JS** and **.NET Core 8+,** following **Clean Architecture** and **SOLID principles**
- Lead cross-functional Agile teams through full project lifecycles, ensuring on-time delivery of enterprise solutions
- Collaborate with stakeholders to translate business requirements into technical solutions, ensuring alignment with organizational objectives
- Mentor junior developers through code reviews, pair programming, and knowledge-sharing sessions
- **Engineering Best Practices:**
- Champion **test-driven development** with 80%+ code coverage for critical business logic
- Conduct regular code reviews, ensuring adherence to design patterns and coding standards
- Drive **CI/CD pipeline** implementation for automated testing and deployment workflows
- Utilize **Jira** for Agile project management, sprint planning, and velocity tracking
Key Achievements:
- Successfully delivered 15+ enterprise applications serving 500+ concurrent users
- Reduced deployment time by 60% through automation and standardized processes
- Improved code quality metrics by 40% through testing standards and code review practices

Full Stack .Net Developer   11/2017 – 11/2020
Bahrain National Guard   Manama, Bahrain
Developed full-stack applications contributing to organizational modernization, working independently on projects from inception to deployment.

- Built applications using **.NET Core**, **Entity Framework Core**, **MVC**, and **SQL Server**
- Developed responsive frontends using **Razor Pages,** ensuring cross-browser compatibility
- Collaborated with stakeholders to analyze requirements and translate them into technical specifications
- Implemented performance optimizations, reducing page load times by 50%

Software Engineer (Part time)
Soft Tiq

10/2021 – 01/2022
Bahrain

- Developed Windows Forms and web applications using **ASP.NET** 🔗 **C#**, **MVC**, and **SQL Server**
- Fixed production bugs and optimized application performance

Business Application Developer
Dal Group

01/2017 – 10/2017
Sudan

- Developed desktop applications using **C#.NET** and **VB.NET** 🔗 in Visual Studio
- Created comprehensive technical documentation for solutions and systems
- Wrote unit and UI tests to ensure application reliability

FREELANCE PROJECTS

NMBR - License Plate Marketplace Platform
Co-Founder & Full Stack Developer

12/2025 – Present

Building Bahrain's first digital marketplace for vehicle license plates, handling the complete technical architecture.

Tech Stack: Flutter (Mobile), Next.js 19 (Admin), Supabase, TypeScript, Tailwind CSS

- Architected scalable backend using Supabase with real-time data synchronization
- Developed a comprehensive Next.js admin dashboard for platform management
- Implemented real-time bidding system with WebSocket support
- Built user authentication, chat messaging, and rating/review systems

Procurement Management System (PMS) - Confidential Client
Lead Full Stack Developer

10/2025 – 01/2026

Delivered a comprehensive procurement management system for a confidential multi-national organization, modernizing workflows across HQ departments and 35+ international locations.

Tech Stack: React 18 + TypeScript, Next.js 15+, .NET Core 8+, SQL Server, Docker, Azure AD, Linux, nginx

Client Impact & Delivery:

- Managed stakeholder expectations across multiple departments and international locations
- Architected full-stack solution using **Clean Architecture with CQRS pattern (MediatR)**
- **Leveraged Claude Code with advanced context engineering** to accelerate development while maintaining architectural consistency through systematic project documentation (100+ pages)
- Designed **dual authentication architecture**: Azure AD (production) + JWT (demonstrations)
- Built an **11-role workflow engine** with multi-stage approval processes and role-based access control
- Implemented **WebSocket real-time communication** for live dashboard updates
- Delivered bilingual (Arabic/English) UI with full RTL support for regional requirements

Engineering Best Practices:

- Applied **OWASP Top 10 security controls**: SQL injection prevention (EF Core ORM), XSS mitigation, IDOR protection, secure JWT storage (HttpOnly cookies), security headers (X-Frame-Options, CSP, HSTS)
- Configured production deployment on **Linux VPS** with **Docker**, **nginx reverse proxy**, and **SSL/TLS**

- Implemented **automated deployment pipeline** with zero-downtime deployments using PM2
- Prepared system for client penetration testing with comprehensive security documentation

Results:
- Reduced procurement approval time from days to hours
- Provided a 24/7 accessible test environment for stakeholder review
- Delivered comprehensive technical specifications and documentation

VEXL Logistics Services - UI/UX Design & Mockup   11/2025 – 11/2025
UI/UX Designer & Business Analyst
Created comprehensive UI/UX mockups and functional specifications for logistics management platform. - Designed UI mockups using V0 (AI-powered design tool) for public website, customer portal, and admin panel - Authored detailed 21-page functional specification document defining features, workflows, and technical requirements - Designed bilingual (Arabic/English) UI components with full RTL support

Door-to-Door (iscope media)   08/2022 – 12/2022
Freelance
Built a campaign activity management system for electoral candidates.
Tech Stack: .NET Core, MVC, Bootstrap 5, Entity Framework Core

EDUCATION

B.Sc. Computer Science   11/2015
Sudan University of Science and Technology

TECHNICAL SKILLS

AI-Assisted Development & Productivity — AI & Productivity — Claude Code | V0 | AI-Powered Development Frontend — React.js | Next.js | TypeScript | Tailwind CSS | Responsive Design Backend — .NET Core | ASP.NET ⊘ Web API | Entity Framework Core | Clean Architecture | C# Database — SQL Server | MongoDB | Supabase DevOps — Azure | Docker | Linux | nginx | CI/CD | Git Security — OWASP Top 10 | Security Headers | Test-Driven Development | Code Reviews Agile — Jira | Scrum | Sprint Planning | Technical Documentation | Mentoring

LANGUAGES

English   ● ● ● ● ○   Arabic   ● ● ● ● ●