

KHALED ALHELWANE

Senior Full Stack .NET Developer | Backend & Cloud Specialist

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Summary

Results-driven Full Stack .NET Developer with 4+ years of experience building scalable APIs, cloud-based systems, and enterprise applications in the UAE. Proven ability to reduce infrastructure costs (63% AWS cost reduction), deliver high-traffic APIs serving 3,500+ users, and implement secure, production-grade systems. Strong expertise in ASP.NET Core, Clean Architecture, SQL Server, and AWS. Quick learner with hands-on experience in CI/CD, security hardening, and system integrations.

Skills

Backend: C#, .NET Core, ASP.NET Web API, EF Core, Clean Architecture, Identity, JWT

Cloud & DevOps: AWS EC2/RDS, Linux/Nginx, Docker, GitHub Actions CI/CD, FFMPEG/HLS

Frontend: JavaScript, jQuery, Threejs, Reactjs, Nextjs HTML, CSS, Bootstrap

Databases: SQL Server, PostgreSQL, MySQL

Software Engineering: OOP, SOLID, Design Patterns, UML, Agile/Scrum, Jira

Others: WordPress, DNS management, email setup, and domain transfer experience

Experience

Full Stack .NET Developer

MATMAK SOLUTIONS - Dubai, UAE

11/2023 - Present

- Reduced **AWS cost by 63%** through infrastructure optimization.
- Built **RESTful APIs** for Precut Software, serving **3,500+** users.
- Implemented Meta **Conversion API**, Google **reCAPTCHA**, and **Twilio** OTP SMS to enhance user tracking, bot protection, and secure authentication workflows.
- Secured MatMak APIs through hardening and AI-assisted penetration testing using Shannon security tooling.
- Resolved a critical payment defect affecting subscription activation.
- Implemented GitHub Actions CI/CD for automated deployments.
- Customized and white-labeled systems for partner companies
- Handled domain transfers, DNS updates, and legacy website handovers, including hosting migrations.
- Building and optimizing WordPress websites.

Freelance Full Stack Developer

SELF-EMPLOYED

11/2022 - Present

- Built a **shipment website** for the Trendslet store and **integrated** it with a shipment company, **resulting** in an automated shipping process that efficiently **served** over **4000+** customers. ([link](#))
- Developed a dynamic web-based pricing calculator and marketing image generator that enables users to create automated promotional assets and custom product visuals ([link](#)).

- Played a critical role in **analyzing** and building the **official website** for the Islamic Charity Association, **successfully** optimizing it for search engines with a **100% technical SEO** score that **increased** the association's online presence and visibility ([link](#))

Dot NET Developer

KALAMOON UNIVERSITY - Deir Atiyah, Syria
01/2022 - 10/2022

- Developed a .NET system for admission eligibility with remote registration. ([link](#))
- Added features to improve officer efficiency in the checking process.
- Tested, debugged, and deployed the system locally and remotely.
- Documented project scope and objectives.

ML Research Intern

JECRC UNIVERSITY - Jaipur, Rajasthan, India
07/2019 - 09/2019

- Utilized Python libraries such as Scikit-learn and Tensorflow to preprocess data.
- **Conducted research** on various machine learning techniques, including supervised and unsupervised learning, and applied them to the handwriting detection model.

Education

Master of Web Science

SVU University Damascus, Syria
02/2023 - Present

Bachelor of IT Engineer

KALAMOON University Deir Atiyah, Syria
09/2016 - 10/2022

Languages

- Arabic (Native), English (B2)

Certifications

- Introduction to Next.js. (**Coursera**)
- The Structured Query Language (SQL). (**Coursera**)
- TOT course at the PCS training center. (**3-month course**)
- ASP.NET for Experienced Developers (**Coursera**)
- **Microservices** and Deployment by using ASP.NET. (**Coursera**)
- Backend Development using ASP.Net. (**Coursera**)
- C# for .NET Developers. (**Coursera**)
- Object-Oriented Development using C#.(**Coursera**)

Awards

- **Top-5** Engineering student multiple times at the University of Kalamoon **09/2016 - 09/2022**
- Selected for an internship in India by the **IAESTE** organization and the Syrian Ministry of Education. **07/2019 - 09/2019**

VOLUNTEERING

Data Platform volunteer / Reparametrize Studio

Homs, Syria **02/2023 - 03/2023**

- Contributed to building reports, a .NET 6 website, and data templates.