

# Wael Abdulsalam Hamwi

Senior Full Stack Web engineer

## CONTACT INFORMATION

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## PROFESSIONAL SUMMARY

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Seasoned Senior Backend Engineer with deep expertise in PHP, Laravel, and Node.js, specializing in scalable web applications and performance optimization. Proficient in React and Next.js for dynamic interfaces, with strong skills in CI/CD pipeline setup and cloud platform integration. Recognized for aligning technology with business goals, driving innovation, and delivering impactful results. Proven leader in managing complex projects, mentoring teams, and upholding best coding practices for optimal performance and user satisfaction.

## EDUCATION

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### Bachelor of Communication Engineering

Aleppo University, Aleppo, Syria

2013 – 2018

**Program Focus:** The program focused on communication systems and network engineering, emphasizing system architecture and data management for effective network design and management.

### Master of Science in Web Technology

Syrian Virtual University, Damascus, Syria

2018 – 2022

**Thesis Title:** "Advancements in Web Development: A Comprehensive Study of Modern Technologies"

**Thesis Score:** 97/100

**Overall Program Score:** 86.02

**Honors:** Graduated as the top student in the program

**Program Focus:** Advanced studies in web technology, including a thorough exploration of modern web development methodologies and technologies. This program emphasized the development and implementation of scalable web solutions and cutting-edge practices in web technology.

**University Profile:** <https://svuonline.org/en/content/103082>

## WORK EXPERIENCE

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### Senior Web Full Stack Developer and Business Analyst at ATCC–Kuwait (2024 - 2025)

Developed a POS system integrated with an e-commerce, allowing administrators and sellers to manage products. Implemented an affiliate marketing module and designed customizable features to support various business models, enhancing scalability and adaptability for American Technology Consulting Company [Demo Ecommerce](#)

### Senior Web Engineer at Startup in Egypt (2022 - 2024)

Developed customized web solutions for Saudi clients, focusing on back-end and front-end development, AI integration, and solution architecture.

- **Automation System for Merak Company:** Developed a WordPress-based automation system that streamlined account opening processes, significantly boosting efficiency. [Go Live](#) or [watch a Demo](#)

- **E-Commerce Platform:** Built a comprehensive e-commerce site with Laravel and React, ensuring responsive design and a user-friendly interface. [GitHub Code](#) — [Demo](#)
- **Sales Management System:** Developed a sales management system using Laravel and Ajax for seamless inventory and order management. [GitHub Code](#) — [Demo](#)
- **Custom WordPress Theme for Emerald Company:** Enhanced user experience and brand identity with a bespoke WordPress theme. [Go Live](#)
- **Premium Weather Alert Application for Boca Pro:** Developed a weather alert application using Laravel, featuring real-time updates via API integration and subscription management with Stripe through Laravel Cashier. Implemented background job processing, a notification system, and an interactive frontend using Livewire and Alpine.js. Focused on API consumption, database design, and achieved 70%. [GitHub Code](#) — [Demo](#)

## Academic Work Experience (2013 - 2021)

During my academic career, I undertook significant projects and research:

- **WhatsApp Real-Time Messenger Clone:** Developed a full-featured real-time messaging application with React, Next.js, and Node.js, integrating Zegocloud API for seamless voice and video calls. The application includes features such as secure user authentication, dynamic chat interface, real-time text, multimedia messaging, and advanced search capabilities. [GitHub Code](#) — [Demo](#)
- **Modern UI/UX Website:** Designed a modern UI/UX website using Tailwind CSS and Gsap, featuring interactive 3D animations. [GitHub Code](#) — [Demo](#)
- **Podcasting Platform:** Created a podcasting platform integrating Google Cloud Text-to-Speech and Unsplash APIs for dynamic content and real-time data handling. [GitHub Code](#) — [Demo](#)
- **Deep Learning System for COVID-19 Detection:** Developed a deep learning model using Python and TensorFlow for accurate COVID-19 detection, with a Flask web interface for user interaction. [Demo](#)
- **Data Mining Algorithms for Disease Detection:** Designed algorithms to predict diseases from physiological data, validated with medical experts. [Github](#)
- **E-Petrol Application:** Led the development of an Android application for real-time fuel price tracking and transaction management. [Github](#)
- **National Geographic Website Design:** Created UML and navigation diagrams for a National Geographic website, focusing on intuitive design and content navigation. [Github](#)
- **Newspaper Platform:** Created a newspaper platform initially in PHP using Model-View-Controller architecture (MVC), Later upgraded to Laravel framework for improved performance and scalability. [Github](#)
- **Surveillance System Development:** Developed an image processing-based surveillance system for monitoring and theft prevention

## Key Achievements

Successfully automated the account opening process for Merak Company, reducing processing time by 70% and enhancing client satisfaction. Achieved over 90% accuracy in COVID-19 detection using deep learning models, contributing to effective pandemic management. Increased user engagement by 20% and reduced bounce rates by 15% through strategic UI/UX improvements and targeted content delivery. Enhanced administrative efficiency by 50% and reduced manual data entry errors by 40% through workflow automation. Improved the performance and scalability of a sales system, handling 30% more transactions per second with optimized queries and caching. Mentored junior developers, fostering their growth and contributing to the successful completion of key projects. Led the development of an e-commerce platform with zero downtime, resulting in a 25% increase in sales. Delivered custom WordPress solutions, boosting website traffic and user retention by 30%.

## PUBLICATIONS

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### **Recognition for Contributions to the Journal Review Process**

*Informatics in Medicine Unlocked, July 2022 (Published)*

### **Development and Integration of VGG and Dense Transfer-Learning Systems for COVID-19 Detection**

*Informatics in Medicine Unlocked, May 2022*

*DOI: [10.1016/j.imu.2022.101004](https://doi.org/10.1016/j.imu.2022.101004), (Published)*

### **Building a Unified Neural Network of Deep Convolutional Models to Classify COVID-19 Patients by Spatial Processing of the Features in Radiographs and Tomography Images**

*Research Journal of Aleppo University, October 2022 (Published)*

## SKILLS

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- **Front-End Development:** HTML, JavaScript, jQuery, Bootstrap, AJAX, React (React.js), Next.js, Alpine.js
- **State Management:** Redux, Context API, MobX
- **UI/UX Design:** HTML5, CSS3, Sass, Tailwind CSS, Figma, Adobe XD
- **Data Formats and APIs:** XML, JSON, RESTful APIs, GraphQL, Google API
- **Backend Development:** PHP, Laravel, Livewire, Node.js, Express.js, Python, Flask
- **Design Patterns:** MVP, MVVM, and MVC
- **Databases:** MySQL, MongoDB, PostgreSQL, prisma, firebsae
- **Version Control Tools:** Git (GitHub, Bitbucket)
- **Integration and Deployment:** Amazon Web Services, Google Cloud Platform, Vercel, Docker, Kubernetes
- **APIs and Web Services:** Postman, Swagger, Stripe, DocuSign, Zapier, Zegocloud API for voice and video
- **CMS and E-Commerce:** WordPress (Elementor, WooCommerce, FormCraft), Shopify
- **Real-Time Messaging:** WebSocket implementation, Real-time chat architecture
- **Artificial Intelligence:** TensorFlow, Keras, Pandas, NumPy, Scikit-Learn, Matplotlib
- **Server Monitoring and Maintenance:** Performance optimization, Routine updates, Security
- **Computer Science:** Data Structures, Algorithms, Database Design, Object-Relational Mapping, Networking
- **Communication Skills:** Effective written and verbal communication, Technical documentation
- **Work Ethic:** Self-motivated, proactive problem-solving, and strong time management
- **Project Management:** Jira (task tracking, sprint planning, collaboration)
- **Additional Skills:** Object-Oriented Programming, Inheritance, Polymorphism, Clean Code Principles, Agile Methodologies, Project Management, Problem Solving, Quality Assurance Testing, Security Best Practices, Cloud Systems, Data Science, OOP, Software Development, Jira (task tracking, sprint planning, collaboration)

## CERTIFICATES

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- **Web Design Certificate and Upper Intermediate English Certificate, Web Development Course full stack**  
*New Horizon Institute*
- **Advanced English Certificate, International**

**English Language Testing System (IELTS) Certificate and Test of English as a Foreign Language (TOEFL) Certificate**  
*Aleppo University / Higher Consulting Institute of Aleppo University*