AHMET ASAAD HAMMOUD

Software Engineer | AI & Full- Stack Developer

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PROFESSIONAL SUMMARY

Results-driven Software Engineer & AI Developer with over 3 years of experience designing and deploying intelligent, data-driven systems. Proven ability to architect and implement full-stack platforms integrating AI/ML solutions to deliver measurable impact — from real-time computer vision to enterprise automation. Expert in Angular, Nuxt, NestJS, Go, and .NET; skilled in database optimization and containerized microservices. Delivered 8+ production systems serving 20K+ users and improved process efficiency by up to 45% through innovation, scalable design, and team collaboration.

KEY SKILLS

Frontend: HTML, CSS, JavaScript, TypeScript, Angular, Vue, Nuxt, React Native, Bootstrap, AJAX

Backend: Node.js, NestJS, .NET Core, Go, PHP Slim, Gin, Fiber, Express.js, Laravel, Java, C#, Scala

Databases: MySQL, PostgreSQL, SQL Server, MongoDB, Redis, SQLite

Cloud & DevOps: Docker, Git, GitHub, GitLab, CI/CD, Google Cloud, Oracle Cloud, Nginx, Serverless, Linux

AI & IoT: Machine Learning, PyTorch, Computer Vision, MQTT, IoT Systems

Architecture & Testing: Microservices, Clean Architecture, Domain-Driven Design, REST APIs, Jest, Selenium, PHPUnit, K6

Soft Skills: Problem Solving, Agile Workflow, Team Collaboration, Adaptability, Leadership

PROJECTS

VisionGuard – AI-based weapon detection and privacy protection [Stack: Python, PyTorch, OpenCV, YOLOv8, Docker]

- • Built a real-time computer vision system achieving 95% weapon detection accuracy with 0.3s latency.

- • Reduced false positives by 20% through optimized frame filtering and batch inference.

- • Implemented encrypted on-device identity linking, ensuring GDPR compliance and full data privacy.

Hospital System – Full-stack medical management platform [Stack: Angular, NestJS/.NET, PostgreSQL, Redis, Docker]

- • Developed modules for patients, billing, and scheduling; reduced manual data entry by 45%.

- • Improved query performance by 30% using caching and optimized indexing.

- • Integrated audit logs and role-based access control for 100% traceability compliance.

Restaurant Systems – POS and back-office suite (multi-module) [Stack: Nuxt, NestJS, Go, PHP Slim, MySQL/PostgreSQL]

- Deployed POS systems for 20+ restaurants, reducing order processing time by 25%.

- Automated inventory and multi-branch reporting, improving operational accuracy by 40%.

- Implemented customizable tax and pricing rules increasing billing efficiency by 35%.

Syahat Travel – Multilingual tourism platform [Stack: Nuxt, Node.js, NestJS, PostgreSQL]

- Launched platform supporting 3 languages and serving 10K+ active users within 6 months.

- Integrated booking, geolocation, and payment modules, increasing conversion by 28%.

- Led a 5-member team through Agile sprints ensuring 100% on-time releases.

HWAI Technology System – Business management platform [Stack: Angular, NestJS, Go, PostgreSQL, Docker]

- Co-founded and engineered modular ERP platform used across internal company operations.

- Enhanced analytics dashboards improving reporting accuracy by 35% across departments.

- Directed a 6-developer team implementing scalable microservice architecture.

PROFESSIONAL EXPERIENCE

Software Engineer — HWAI Technology, Málaga, Spain

Jan 2022 – May 2025

- Engineered scalable REST APIs cutting deployment time by 40% and boosting uptime to 99%.

- Orchestrated Dockerized microservices, achieving consistent build stability across releases.

- Mentored 3 junior developers, increasing team velocity and code review efficiency by 25%.

Full Stack Developer (Employee) — Releevant, Málaga, Spain

Apr 2024 – Aug 2024

- Enhanced backend performance by 35% via caching and optimized SQL queries.

- Automated testing pipelines reducing release cycles by 20%.

- Collaborated in Agile sprints achieving 98% on-time delivery with minimal regressions.

Full Stack Developer — Tam-Med Private Hospital, Gaziantep, Türkiye

Apr 2023 – Aug 2023

- Developed electronic medical record and scheduling modules reducing admin effort by 30%.

- Enhanced security via advanced RBAC authentication and full audit tracking compliance.

Data Analyst (Freelance) — Akhtibarati Platform, Majmaah, Saudi Arabia

Jan 2022 – May 2025

- Automated ETL pipelines processing 10K+ records weekly with near-zero data loss.

- Built 8 interactive dashboards used by 5 departments, improving visibility by 40%.

- Reduced manual reporting time by 70% through Python scripting and SQL automation.

Translator and Interpreter — OFILINGUA, S.L., Málaga, Spain

Jan 2025 – Aug 2025

- Delivered accurate multilingual translation improving public service accessibility by 25%.

- Maintained 100% translation consistency through specialized terminology databases.

Mathematics and Programming Teacher — Firat University (International Students), Elazig, Türkiye

Jan 2021 – May 2021

- Instructed 100+ students in advanced math and programming; increased pass rate by 25%.

- Developed structured problem sets improving student engagement and retention.

Spanish Red Cross Volunteer — Spanish Red Cross, Málaga, Spain

Jan 2023 – May 2025

- Coordinated logistics for 3 community programs, reducing response time by 30%.

- Digitized record-keeping workflows improving internal communication by 40%.

EDUCATION & CERTIFICATIONS

- B.Sc. in Software Engineering — University of Málaga, Spain (Aug 2023 – Present)

- B.Sc. in Software Engineering — Firat University, Türkiye (Aug 2020 – Aug 2024)

- Diploma in Artificial Intelligence — American Professional Studies Association, Egypt (Oct 2023 – Mar 2024)

- 42 Málaga — Programming Campus (Oct 2023 – Dec 2024)

LANGUAGES

Arabic (Native), Turkish (C1), English (B2), Spanish (B2), Italian (A2)