

Hisham Abboud

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PROFESSIONAL EXPERIENCE

Software Service Engineer

Actemium (VINCI Energies), Eindhoven | July 2025 — Present

- Provide full-stack development and technical support for Manufacturing Execution Systems (MES) across industrial clients
- Build and maintain applications using .NET, C#, ASP.NET, Python/Flask, and JavaScript
- Develop custom software solutions and integrations for manufacturing processes, including API connections and database optimizations
- Troubleshoot and resolve complex technical issues in production environments for clients in diverse industries

Python Developer Intern

ASML, Veldhoven | Aug 2023 — Feb 2024

- Developed Python test suite using Locust and Pytest for high-efficiency performance and regression testing
- Collaborated in an agile environment using Azure, Jira, and Kubernetes for continuous integration and deployment

Software Developer & IT Admin Intern

Delta Electronics, Helmond | Feb 2022 — Feb 2023

- Developed web application for HR to manage salary adjustments and quarterly budgets across multiple branches
- Migrated legacy codebase from Visual Basic to C# to improve maintainability and performance
- Managed Active Directory and provided cross-departmental technical support; mentored new IT interns

PROJECTS

CogitatAI — AI Customer Support Platform

Founder & Developer | 2024 — Present

- Building an AI-powered chatbot platform with personality-adaptive responses and multi-task sentiment analysis
- Architected full-stack solution using Python/Flask backend and modern frontend, deployed on cloud infrastructure

GDPR Data Anonymization Solution

Fontys ICT Cyber Security Research Group | Sep 2024 — Feb 2025

- Developed a GDPR-compliant data anonymization pipeline enabling secure cross-organization data sharing

EDUCATION

Bachelor of Science in Software Engineering

Fontys University of Applied Sciences, Eindhoven | 2020 — 2024

- Thesis: GDPR-compliant data anonymization for secure data sharing

SKILLS

Languages: Python, C#, JavaScript, SQL, Visual Basic

Frameworks: .NET, ASP.NET, React, Flask, Locust, Pytest

Tools: Azure, Jira, Kubernetes, Git, Active Directory, Docker

Domains: MES, Agile/Scrum, GDPR, REST API Development, CI/CD

SPOKEN LANGUAGES

English (fluent) | Dutch (fluent) | Arabic (fluent) | Persian (fluent)