

Hisham Abboud

+31 06 4841 2838 • Hisham123@hotmail.com • Eindhoven, Netherlands

PROFESSIONAL EXPERIENCE

Software Service Engineer

July 2025 — Present

Actemium (VINCI Energies), Eindhoven

- 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

Aug 2023 — Feb 2024

ASML, Veldhoven

- 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

Feb 2022 — Feb 2023

Delta Electronics, Helmond

- 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

2024 — Present

Founder & Developer

- 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

Sep 2024 — Feb 2025

Fontys ICT Cyber Security Research Group — Graduation Project

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

EDUCATION

Bachelor of Science in Software Engineering

2020 — 2024

Fontys University of Applied Sciences, Eindhoven

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: English, Dutch, Arabic, Persian (fluent)