

# Karim Halabi

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## Profile

Passionate and driven Software Engineer with hands on experience in full-stack development, AI integration, and system design. Adept at transforming concepts into scalable solutions using modern frameworks and technologies. Known for quick learning, responsibility, and strong collaboration.

## Education

<b>Harvard (edX)</b> , CS109xa: Machine Learning and AI with Python	2025 (Ongoing)
<ul style="list-style-type: none"><li>• Exploring core concepts in supervised and unsupervised learning using Python.</li><li>• Hands on implementation of models, algorithms, and evaluation techniques.</li></ul>	
<b>Blekinge Institute of Technology (BTH)</b> , BSc in Software Engineering	2022 – 2025 (Graduated)
<ul style="list-style-type: none"><li>• Hands-on projects with AI, systems integration, and web development.</li><li>• Courses in software architecture, system design, and agile methodology.</li></ul>	
<b>Universidad Politécnica de Madrid (UPM)</b> , Erasmus Exchange	Sept 2024 – Jan 2025
<ul style="list-style-type: none"><li>• Studied international approaches to software engineering.</li><li>• Strengthened adaptability and teamwork in global projects.</li></ul>	

## Experience

<b>Software Hardware Tester</b> , HANZA	2025 – Present
<ul style="list-style-type: none"><li>• Conducted daily testing on embedded systems valued at up to 3M SEK.</li><li>• Ensured stability and reliability of firmware and hardware units.</li></ul>	
<b>Software Engineer</b> , Connectitude	2025
<ul style="list-style-type: none"><li>• Built AI chatbot for factory machine control and alarm monitoring.</li><li>• Integrated frontend and backend systems for real-time interaction.</li></ul>	
<b>Software Engineer</b> , CGI	2024
<ul style="list-style-type: none"><li>• Developed Blazor-based fault reporting system using C#.</li><li>• Enabled efficient issue reporting via photos on mobile/web.</li></ul>	

## Projects

<b>AI Chatbot for Industrial Automation</b>	2025
<ul style="list-style-type: none"><li>• Collaborated with Connectitude to develop an AI-powered chatbot for factory automation.</li><li>• Worked on AI integration, system connectivity, and frontend interaction.</li></ul>	
<b>Fault Reporting System with Blazor and C#</b>	2024
<ul style="list-style-type: none"><li>• Developed issue-reporting application using Blazor and C# in collaboration with CGI.</li><li>• Focused on mobile UX, image upload, and real-time UI responsiveness.</li></ul>	
<b>Cross Platform Game Development Projects</b>	2022 – 2023
<ul style="list-style-type: none"><li>• Designed and implemented interactive games across desktop/web platforms.</li><li>• Used Unity and JavaScript for animation, logic design, and feedback systems.</li></ul>	

## Technologies

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**Languages:** C#, C++ , Python, JavaScript, HTML/CSS, SQL

**Technologies:** .NET, Blazor, Git, REST APIs, Agile/Scrum, NodeJS

## Certifications

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- Programming Using Python – Microsoft
- Programming with JavaScript – Microsoft
- Web Development with HTML and CSS – Microsoft
- HTML5 Application Development – Microsoft
- Windows Operating System Fundamentals – Microsoft

## Languages

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English (Fluent), Swedish (Fluent), Arabic (Native), Spanish (Intermediate)