



# WALEED BINSAAD

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## SUMMARY

.NET and Python developer with hands-on experience building automation tools, system-level applications, and IoT solutions. Skilled in C#, multithreading, with a solid foundation in microcontroller-based development using Arduino and Raspberry Pi. Currently expanding expertise in UX, motivated to contribute to high-performance computing, connectivity, and embedded automotive platforms.

## EXPERIENCE

<b>Automation Developer</b> <b>Infineon Technologies   Munich, Germany</b>	<b>05.2025 - Present</b>
<ul style="list-style-type: none"><li>Designs, develops, and implements automated tools using python to improve efficiency and quality.</li><li>Maintain and update existing automation tools and scripts.</li></ul>	
<b>Software Developer - C#</b> <b>Aquat Food Industries   Saudi Arabia, Jeddah</b>	<b>05.2022 - 10.2024</b>
<ul style="list-style-type: none"><li>Developed applications and APIs using .NET and C# with Multithreading.</li><li>Integrated REST APIs and managed PostgreSQL/MS SQL databases.</li><li>Built and deployed Dockerized applications, collaborating with DevOps teams.</li></ul>	
<b>Web Developer (Intern)</b> <b>King Abdulaziz University   Saudi Arabia, Jeddah</b>	<b>06.2019 - 08.2019</b>
<ul style="list-style-type: none"><li>Assisted in designing and optimizing backend APIs for a student portal using .NET, C#.</li><li>Supported web development for internal university tools.</li></ul>	

## EDUCATION

<b>User Experience Design</b> <b>Technische Hochschule Ingolstadt</b> <b>Grade: 1.9 (German system).</b>	<b>10.2024 – 08.2026</b>
Developed an AR-based onboarding system using C# & Unity, integrating usability testing with 20+ student samples.	
<b>Information Technology</b> <b>King Abdulaziz University</b> <b>Grade: 1.4 (German system).</b>	<b>06.2016 - 08.2020</b>
Thesis: Developed an IoT Smart Garden Automation system using Arduino, Python, Flask, C++, Raspberry Pi, and SQL.	

## SKILLS

- Programming Languages:** C#, SQL
- Frameworks & Technologies:** .NET, .NET Core, APIs, Entity Framework
- Cloud & DevOps:** Docker, CI/CD Pipelines, Git, Agile / Scrum
- Databases:** MS SQL Server, PostgreSQL
- Testing & Automation:** xUnit, Selenium, Postman
- Tools & Environments:** Visual Studio, VS Code, Jira

## LANGUAGES

- English:** Fluent (C1).
- German:** Beginner (A1)

## INTERESTS

- Cycling.
- Hiking and Rock Climbing.