



# 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

**Automation Developer** 05.2025 - Present

**Infineon Technologies | Munich, Germany**

- **Designs, develops**, and **implements automated** tools using **python** to improve efficiency and quality.
- Maintain and update existing automation tools and scripts.

**Software Developer - C#** 05.2022 - 10.2024

**Aquat Food Industries | Saudi Arabia, Jeddah**

- Developed applications and APIs using **.NET and C#** with **Multithreading**.
- Integrated REST APIs and managed **PostgreSQL/MS SQL** databases.
- Built and deployed **Dockerized** applications, collaborating with **DevOps** teams.

**Web Developer (Intern)** 06.2019 - 08.2019

**King Abdulaziz University | Saudi Arabia, Jeddah**

- Assisted in designing and optimizing backend **APIs** for a student portal using **.NET, C#**.
- Supported web development for internal university tools.

## EDUCATION

**User Experience Design** 10.2024 – 08.2026

**Technische Hochschule Ingolstadt**

**Grade: 1.9 (German system).**

Developed an AR-based onboarding system using **C# & Unity**, integrating **usability testing** with **20+ student samples**.

**Information Technology** 06.2016 - 08.2020

**King Abdulaziz University**

**Grade: 1.4 (German system).**

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.