

# NASSER BINOBIED

Software Engineer

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## WORK EXPERIENCE

### IBM – Hybrid

Software Engineer

5.2024 – Present

Bob

- Developing a **Code Reviewer AI Agent** Mode for **Bob** using **TypeScript**.
- Building an **Evaluation Framework** to measure the performance of **Bob's LLM models**.

watsonx Code Assistant

- Developed a **Code Reviewer AI Agent** module for **watsonx Code Assistant** using **Python** and **TypeScript**.
- Performed **Code Review** across multiple **Pull Requests** in **GitHub Enterprise**.

Envizi

- Developed the **Backend** for Web Applications using **C# .NET Framework 4.8**.
- Wrote and optimized **SQL Queries**, **Store Procedures** and **MDX Queries** using **Microsoft SQL**.
- Built and modified **Dashboards** and **Reports** for **Power BI**.
- Worked as a member of a **Lean** team following a **Kanban** methodology using **Jira**.

### Oivan – Remote

Software Engineer

3.2023 – 5.2024

- Developed the **Backend** for Web Applications using **C# .NET 6** following **CQRS** design pattern.
- Performed an **End-to-End Testing** to ensure software meets requirements and specifications.
- Wrote and optimized **SQL Queries**, **Store Procedures** and **Views** using **Microsoft SQL**, **Entity Framework** and **Dapper**.
- Worked as a member of an **Agile** team following a **Scrum** based SDLC using **Jira**.

### State Properties General Authority – Onsite

Senior Programmer

8.2021 – 3.2023

- Developed **Multi-Tenant Web Applications** using **ASP.NET Boilerplate** framework and **C# .NET 6** following **Service Oriented Architecture** and **DDD**.
- Conducted **API integration** between **SPGA** and governmental entities through **NIC's GSN**.
- Wrote and optimized **SQL Queries**, **Store Procedures** and **Views** using **Microsoft SQL** and **Entity Framework**.

## PROJECTS

- watsonx Code Assistant:** A cloud service that leverages Granite generative AI model to accelerate code generation, increase developer productivity and promote coding workflows across multiple programming languages, such as, Python, Java, C, C++, Go, JavaScript, TypeScript and more.  
Languages and Frameworks: Python, TypeScript, watsonx.ai.
- Envizi:** A SaaS that consolidates enterprise ESG data for analysis and reporting, by simplifying the capture, consolidation, management, analysis and reporting of your environmental, social and governance data.  
Languages and Frameworks: C# .NET Framework 4.8, Microsoft SQL.
- CST – Filter.sa:** A filtering service contributes to create a safer Internet environment for the Saudi community by preventing access to websites that violates the Kingdom's regulations.  
Languages and Frameworks: C# .NET 6, Microsoft SQL, Entity Framework, Dapper.
- Government Integrations Platform:** A Multi-Tenant platform responsible for managing and processing the integrations between SPGA and governmental entities through E-Government's network.  
Languages and Frameworks: C# .NET 6, ASP.NET Boilerplate, Microsoft SQL, Entity Framework.
- Security Authorization Platform:** A Multi-Tenant platform responsible for managing and processing all forms and procedures of authorizations for the security department.  
Languages and Frameworks: C# .NET 6, ASP.NET Boilerplate, Microsoft SQL, Entity Framework.

## EDUCATION

### University of York

Master of Science in Computer Science

2025 – 2027

### Alfaisal University

Master of Engineering Management – **1st Honors**

2020 – 2022

### Alfaisal University

Bachelor of Science in Software Engineering – **2nd Honors**

2013 – 2017

### Institute of Public Administration

Diploma in Networking Technologies and Operating Systems

2007 – 2009

## SKILLS

**Programming:** C#, Python, TypeScript, Vue.js  
**Databases:** Microsoft SQL, PostgreSQL, Firebase NoSQL  
**APIs:** REST, SOAP, WCF  
**Technologies:** Docker, Kubernetes, Jira, Git  
**Data Analytics:** Power BI, Tableau, SSAS, MDX

## RESEARCH

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### Publications

BinObied N, Almarri S, Alhumaidi F, Mejjaoui S. "The Impact of COVID-19 on Businesses: An Online Review." *Proceedings of the International Conference on Industrial Engineering & Operations Management*. August 2021:614-624.

### Conferences

- **IEOM Rome 2020: 4<sup>th</sup> European Conference on Industrial Engineering and Operations Management. Theme: Road to Resilient Manufacturing and Logistics** – Rome, Italy – August 2021 – ISBN: 978-1-7923-6127-2
  - Paper ID 350: The Impact of COVID-19 on Businesses: An Online Review

### Competition

- **Engineering Design Expo and 4<sup>th</sup> Boeing Competition**
  - *Admission Tool for Alfaisal University Student Affairs in R Language* – Authors: Nasser BinObied and Faisal Alhumaidi
- **13<sup>th</sup> Annual Research Day Student Poster Competition**
  - *Jukebox OpenAI: Generating Qanun Music* – Authors: Nasser BinObied and Dr. Areej Al-Wabil