

Abed Alzain

Backend developer

Contact Info

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Profile

Senior Full-Stack Developer with 10+ years of experience building scalable web and cloud applications. Skilled in .NET Core, .Net framework, C#, Laravel, Angular, and SQLServer systems. Experienced with Azure Cloud Services, including Function Apps, Container Apps, Key Vault, and App Insights. Hands-on experience with AI and Generative AI using Azure OpenAI, LangChain, and Semantic Kernel. Strong in API development, CI/CD pipelines, and Infrastructure as Code (IaC). Delivered complex software solutions for startups and enterprises in the Netherlands and UK.

Technical Skills

- **Programming Languages:** .NET Core, C# and Python
- **Software Engineering:** Agile and Scrum, Jira, Asana and GitLab
- **Web Technologies:**
 - **Server side:** .Net Framework, .Net Core, and Python
 - **Client side:** HTML5, CSS3, Bootstrap, Javascript, JQuery, Typescript, Angular, VueJs, ReactJs
- **Mobile Technologies:** Cordova, Ionic framework
- **Control Version:** GitHub, Bitbucket, Gitlab and SourceTree
- **Web Services:** RESTful and SOAP
- **Database:** MySQL, SQL Server, Postgres, MongoDB, Firebase, NoSQL

Professional Experience

AI and Backend Developer | Project: Listapro.ai

Jan. 2025 to Present

- Built a full backend for an AI-powered platform using C# and .NET Core.
- Set up and hosted LLMs (e.g. LLaMA from Meta), and created APIs to serve the models to the application.
- Integrated OpenAI APIs for generating AI-driven content and features.
- Developed robust backend APIs to connect the app with both hosted and third-party AI models.
- Implemented CI/CD pipelines on Azure to streamline deployment and updates.
- Designed the system to support future AI expansion and scalable model integration.

Technology Used

- C#, .NET Core framework, Python, LLaMA(Meta), OpenAI, Azure, CI/CD.

Senior Full stack Developer**Jan. 2021 to Present**

Mymesh B.V. – Haarlem, Netherlands

- Designed and developed a comprehensive web-based system to manage IoT products including sensors, nodes, and networks.
- Integrated the platform with physical devices and a central database to provide real-time control and monitoring.
- Used modern technologies including .NET for the backend and Angular for the frontend, ensuring high performance and maintainability.
- The system is actively used in over 1,000 buildings across the Netherlands.
- Collaborated closely with hardware engineers and product managers to ensure smooth integration and scalability.

Technology Used

- .NET Core, C#, Angular, TypeScript, SQL Server, RESTful APIs, Entity Framework, SignalR, Azure DevOps, Git, Docker.

Senior Software Engineer**Nov. 2019 to Jan 2021**Planbition B.V. Nijmegen, Netherlands (<https://planbition.nl>)

- Led the development and enhancement of the planning and scheduling system for temporary workers, utilizing .NET and Angular frameworks.
- Designed and implemented **RESTful APIs** to enable communication between the front-end and back-end systems, improving data flow and responsiveness.
- Developed and optimized database queries using SQL Server and PLSQL for high-performance data management.
- Worked closely with cross-functional teams to integrate front-end and back-end components, ensuring seamless system functionality.
- Led the deployment process, including **CI/CD pipelines** using tools like **Jenkins** or **Azure DevOps**, ensuring seamless and automated delivery.
- Collaborated with cross-functional teams, including QA and DevOps, to improve system reliability and deploy new features.

Technology Used

- .Net Framework, SQL Server, PLSQL, Angular framework, Typescript, Git, and Azure DevOps

Web Developer**Apr. 2015 to Oct. 2019**

Agentinsight Ltd, London, UK

- I conducted a comprehensive analysis of the old CMS version, identified areas of poor code quality, and developed robust solutions to fix the issues
- I provided support to a UK-based team in managing and maintaining an old CMS system while also identifying and remedying any faults
- I developed and integrated new modules into a new CMS system, ensuring that each module underwent thorough testing before being deployed
- I gathered requirements and developed several customized tools to import data from legacy systems into the company's CMS
- I developed an API for the new CMS and integrated the system with a web service using both SOAP and RESTful APIs

Technology Used

- PHP, Laravel Framework, MySQL, HTML, CSS, JavaScript, jQuery, Google Map API and Mailgun API

Software Developer**Dec. 2013 to Apr. 2015**

Semieta Ltd., London UK

- I created a Visitor Management System with a user-friendly interface using Delphi. The system also included a fully-integrated reporting function to provide the client with better visibility of visitor numbers and other essential information
- I utilized PHP and Yii to develop a Contractor Management System that included importer tools for the seamless transition of data from the old system to the new system
- I created multiple scripts designed to run on a Controller Device and conducted comprehensive testing to ensure their proper functionality

Technology Used

PHP, Yii2 Framework, MySQL, JavaScript, JQuery, Delphi and SQL Server

Web Developer**Feb. 2011 to Dec. 2013**

BlueRain Software KG Ltd., Germany

- I conducted a thorough analysis of customer requirements and comprehensively documented all aspects of the development lifecycle
- I developed customized PHP components and multiple modules that were specifically designed for integration into the ERP system
- I conducted complete testing and integration phases of other modules, guaranteeing that they were functioning at optimal performance levels of 100%
- I set up a fully integrated development server and was responsible for managing Git repositories

Technology Used

- PHP, Yii2 Framework, MySQL, HTML, CSS, JavaScript, JQuery and Git

Education

B.Sc. Computer Science – The Islamic University of Gaza, Palestine**2010**

Skills

- Ability to work for Long hours without being weary
- Willingness to learn new things and work well with others
- Have good skills in interpersonal communications
- Problem Solving Skills