

Huda Rashid

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Profile

Python Software Engineer with 2 years of experience, currently working on a SaaS project using Django at Guildhawk in Sheffield, UK. Skilled in Azure and MySQL database management for efficient project deployment. Seeking new opportunities to foster personal growth and create innovative solutions that ensure user satisfaction and project success.

Areas of Expertise

Languages: Python - SQL - C#

Frameworks: Django - Django REST Framework - Pydantic - pandas - pytest - Streamlit

Tools: Azure - MySQL - SQLite - PostgreSQL - Windows Subsystem for Linux (WSL) - Docker - Agile

Professional Experience

Junior Software Developer - Guildhawk (<https://www.guildhawk.com>) **Sheffield, UK** 09/2023 - present

- Pioneered the development and maintenance of a machine translation SaaS product using Python and Django, expertly crafting APIs with Django REST Framework (DRF) and integrating third-party services to deliver superior translation capabilities.
- Optimized DRF REST API by decoupling long-running business processes with Azure Functions and Azure Queue storage triggers, eliminating timeout errors and boosting system efficiency.
- Developed a serverless solution using C# Azure Functions with HTTP triggers that enhances Microsoft Office document translation and ensures seamless integration with web services.
- Conducted thorough end-to-end testing, collaborating with cross-functional teams to identify and rectify bugs in the codebase early on, resulting in a smooth deployment process.
- Leveraged Azure DevOps to streamline CI/CD build and release pipelines, integrating Azure App Insights for better monitoring and debugging Django applications, which quickly reduced bug-fix times.
- Proficient in MySQL databases, especially with Django ORM, to write migration scripts that ensure consistent database changes and migrations across development and production environments.

Software Developer Placement Student - Guildhawk (<https://www.guildhawk.com>) 05/2022 - 05/2023

- Developed an innovative SaaS machine translation project with Python and Django, focusing on API development and creating a customized admin management tool that significantly improved operational efficiency and user control.
- Utilized Python and pandas to collect and preprocess extensive datasets for insertion into MongoDB.
- Involved in frontend projects using React, TypeScript, and Next.js by creating intuitive and responsive interfaces that greatly enhance user satisfaction.
- Carried out comprehensive end-to-end testing, collaborating with cross-functional teams to detect and resolve codebase bugs early, ensuring a seamless deployment process.
- Utilized Azure DevOps to optimize CI/CD build and release pipelines, integrating MySQL databases to improve data retrieval and storage efficiency.
- Competent in startup environments with a fast-paced Agile approach, prioritizing swift solution delivery.

Education

MSc. Computing with Distinction [Sheffield Hallam University](#) **Sheffield, UK** 09/2021 - 10/2023

Relevant Courses: System Design and Development (C# and ASP.NET), Web Development (HTML, CSS, PHP), Databases and Big Data (MySQL and MongoDB)

BSc. in Accounting and Finance [Crescendo International College](#) **Malaysia** 2014-2017

Relevant Courses: Accounting, Auditing, Statistics and Mathematics, Business Management

GCE AS & A Level [Crescendo International College](#) **Malaysia** 2013-2014

Relevant Courses: Accounting, Economics, Business Studies