Huda Rashid

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Profile

Software Developer with over 2.5 years of experience, currently working on a SaaS project using Django at Guildhawk in Sheffield, UK. Skilled in Azure and RDBMS 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# - JavaScript - TypeScript - Go
Frameworks: Django - Django REST Framework - Pydantic - pandas - pytest - Next.js
Tools: Azure - MySQL - Elasticsearch - cURL - 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, designing APIs with Django REST Framework (DRF) and integrating third-party services to deliver superior translation capabilities.
- Implementing asynchronous APIs by decoupling long running business processes with Azure Functions, Azure Queue storage, and Azure Service Bus message, reducing backend server load and eliminating time-out error.
- Developed a serverless solution using C# Azure Functions with HTTP triggers that enhances Microsoft Office document translation and ensures seamless integration with web services.
- Managed and troubleshot deployments from testing to production, leveraging Azure DevOps to streamline CI/CD pipelines and integrating Azure App Insights for enhanced monitoring and faster bug resolution in Django applications.
- Proficient in MySQL databases, especially with Django ORM, to write migration scripts that ensure consistent database changes and migrations across development and production environments.
- Shared knowledge and experience with frontend and backend teams to establish technical standards and best practices for full-stack development, improving code consistency, collaboration, and overall development efficiency.

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