

# Huda Rashid

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## Profile

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Software Developer with a strong focus on backend development, specializing in server-side programming, database management, and API design. Proficient in Django-based SaaS solutions, Azure cloud services, and relational databases (RDBMS). Currently contributing to software development at Guildhawk (UK). Passionate about building scalable, high-performance backend systems and seeking opportunities to drive innovation and efficiency in software solutions.

## Areas of Expertise

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**Languages:** Python - SQL - C# - JavaScript - TypeScript - Golang

**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

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**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 deployments from testing to production, leveraging Azure DevOps to streamline CI/CD pipelines and incorporating logging solutions like Azure App Insights to enhance system visibility and expedite issue resolution.
- 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 a SaaS machine translation platform using Python, Django, and Django REST Framework (DRF), integrating MongoDB for efficient data storage and building a custom admin tool to enhance operational efficiency.
- Optimized data processing and storage by leveraging Python, Pandas, and MongoDB, streamlining large dataset transformation and insertion.
- Contributed to full-stack development with React, TypeScript, and Next.js, delivering intuitive user interfaces and ensuring seamless API integration.
- Enhanced deployment efficiency by optimizing CI/CD pipelines in Azure DevOps, integrating MySQL, and conducting end-to-end testing to ensure smooth releases.
- Worked in a fast-paced Agile environment, collaborating across teams to rapidly develop and deploy high-quality software solutions.

## Education

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**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** [University of London](#) **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