Huda Rashid

Python Software Developer

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Profile

Python Software Developer with 2 years of practical experience, actively involved in advancing SaaS project focused on AI-based machine translation using Python and Django at Guildhawk in Sheffield, UK. Proficient in Elasticsearch for search optimisation for large dataset, showcasing adeptness in managing MySQL databases. Experienced in Azure DevOps for streamlined project handling and deployment. Familiar with WSL (Windows Subsystem for Linux) for smooth cross-platform development. Originally from Malaysia, dedicated to crafting inventive solutions that ensure client contentment and project triumph.

Areas of Expertise

Python - Django - Azure DevOps - MySQL - PostgreSQL - WSL - Elasticsearch - Docker - pandas - FastAPI - Streamlit

Professional Experience

Junior Software Developer *(Guildhawk)* **Sheffield, UK** *09/2023 - present*

- Pioneering SaaS project focused on AI-based machine translation using Python and Django which significantly bolstered the company's revenue streams.
- Implemented Elasticsearch integration with machine learning algorithms to optimize full-text searches for large datasets, resulting in a substantial improvement in search query speed.
- Conducted thorough end-to-end testing, collaborating with cross-functional teams to identify and rectify bugs in the codebase early on, resulting smooth deployment process.
- Leveraged Azure DevOps to streamline CI/CD build and release pipelines, integrating MySQL and PostgreSQL databases to enhance data retrieval and storage efficiency.

Software Developer Placement Student *(Guildhawk)* **Sheffield, UK** *05/2022 - 05/2023*

- Develop an innovative SaaS project based on AI-driven machine translation using Python and Django, resulting in a substantial increase in the company's revenue streams.
- Utilised Python and pandas to collect and preprocess extensive datasets for insertion into MongoDB.
- Involving in the frontend project using Next.js and TypeScript by creating intuitive and responsive interfaces that greatly enhances user satisfaction.
- Carry comprehensive end-to-end testing, collaborating with cross-functional teams to detect and resolve codebase bugs early, thereby ensuring a seamless deployment process.
- Utilised Azure DevOps to optimise CI/CD build and release pipelines, integrating MySQL and PostgreSQL databases to improve data retrieval and storage efficiency.

Audit Assistant *(ShineWing TY Teoh PLT)* **Malaysia** *11/2017 - 05/2020*

- Responsible for maintaining relationships with audit clients, keeping them informed of submission deadlines, and advising them of current governance practices.
- Collaborate with teammates on assignments, guiding junior staff to complete the audit report following accounting standards.
- Assisted in maintaining and modifying formulas and table templates in the company's Excel template sheets.

Retail Assistant *(POPULAR Book Company (M) Sdn Bhd)* **Malaysia** *05/2017 - 11/2017*

- Engage in effective communication with customers to identify issues and offer solutions for a better customer experience.
- Supporting and executing initiatives from upper management ensuring hitting seasonal targets by 10%.

Education

MSc. Computing *Sheffield Hallam University*   **Sheffield, UK** *2021-2023*

- Research Dissertation on Comparison Between Decision Tree Algorithm and a Hybrid Approach of Decision Tree Algorithm with Symbolic Logic - Integration of symbolic logic using Prolog and Decision Tree algorithm using scikit-learn

- 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

Online Courses & Certifications

- Responsive Web Design (2021) - [FreeCodeCamp](#)

- JavaScript Algorithms and Data Structures (2021) - [FreeCodeCamp](#)

- Front End Development Libraries (2021) - [FreeCodeCamp](#)

Competencies

- Currently practicing touch typing using Colemak DH (matrix) keyboard layout

- Learning new languages (Germany and Korean)

- Cooking enthusiast & loves traveling