RHODRI REES

Software Developer

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SUMMARY

Professional Software Developer with experience in a wide range of technologies. A collaborative team player with a passion for innovation. Dual national with right to work in both EU and UK. Self motivated and continuously improving.

SKILLS

Languages: Python, C#, Java, SQL

Technologies: Git, Docker, Kubernetes, PostgreSQL, Flask, Vue, Connexion, Django, React, Flutter, Numpy, Pandas, Aiohttp, MongoDB

EXPERIENCE

01/2023 – Present **Python Developer**   Gigaclear

- API gateway development
  - Successfully designed and built a gateway for an internal micro service architecture to communicate both internally and with external partners whilst maintaining appropriate access levels
  - Liaised with separate teams and contractors to create custom interfaces for Netadmin and Salesforce integration
  - Created thoroughly documented RESTful APIs utilizing Connexion, emphasizing reusability for seamless integration with new clients
- One Touch Switch development
  - Architected and constructed a message processing system within a tight time frame to communicate with a well defined third-party API. Adhering to GDPR requirements and meeting mandatory response times, ensuring legal compliance
  - Implemented fuzzy customer matching with queries to multiple databases
- Standardized authentication across services to use OAuth2.0 protocol alongside Microsoft Entra ID
- Facilitated and guided daily stand-up meetings and retrospectives in the capacity of a Scrum Master, providing leadership and ensuring the effective coordination of the team's activities
- Contributed to the positive on-boarding experience for new team members by providing support and assistance throughout the process, fostering integration into the organization

10/2022 – 01/2023 **Junior Python Developer**   Gigaclear

- Enhanced and extended functionality within a custom QGIS (Quantum Geographic Information System) plugin
  - Resolved multiple user-reported bugs, ensuring stability and accuracy of the system
  - Implemented new requested features such as branch rebasing and network visualisations
- Optimized performance of online buying journey to minimize customer waiting time
  - Reduced average request time from twenty seconds to under half a second by implementing compression and caching
  - Utilized Kibana APM to identify bottleneck database operations and subsequently implemented targeted optimizations to enhance the speed and efficiency of these operations

9/2020 – 7/2021 **Full Stack Intern**   University of Glasgow

- Designed and deployed a Django website for reporting cases of sleeping sickness
  - Acquired knowledge in front-end development and cloud deployment
  - Effectively navigated through a complete development cycle using Agile methodologies, from project initiation to client handover

PERSONAL PROJECTS

C# **Game jams**
Participated in several game jams, both collaboratively and individually, primarily using Unity. Developed desktop, mobile, and controller games

Dart **Wisdom Teeth**
Mobile phone app that gives fun facts for two minutes

Python **Leaderboard bot**
Discord bot leveraging Riot Games API to rank users and record tournament wins

EDUCATION

2018 - 2022 **Computing Science BSc**   University of Glasgow
First-Class Honours - Specialization in Human Computer Interaction