

Hamza Berqia

SOFTWARE ENGINEER

Gloucester, Gloucestershire, United Kingdom

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Skills

- C#
- .Net Framework
- Visual Basic 6
- Azure DevOps
- SQL
- Java Script
- Python
- Hardware/Software Troubleshooting
- Interpersonal Communication
- Analytical Thinking
- Complex Problem Solving
- Team Player

Summary

Current Software Engineer at Renishaw. PLC, 2 years experience specializing in backend development for meteorology manufacturing and assembly systems. An ambitious, dynamic, and adept individual who loves new and emerging technologies, web and application development.

Academic achievements are underpinned by professional experience in multifaceted and deadline-driven settings necessitating self-motivation and a positive response to pressure. Relishes challenges and is quick and willing to learn and apply new processes and procedures.

Strong cultural awareness, global mindset, and bilingual skills (English / Arabic) gained via a love of international travel.

Professional Experience

Renishaw, PLC.

Gloucester, United Kingdom

SOFTWARE ENGINEER

February. 2023 - Present.

- Successfully led the upgrade and implementation of enhanced software for a coordinate measuring machine, cutting setup and machine time by 20 minutes and enabling the testing of an additional unit each day.
- Managed a variety of proactive and reactive tasks/projects, such as system software updates and adding new features to testing rigs. Played a key role in a major project that involved rewriting rig software from Visual Basic 6 to C#, which brought significant benefits: futureproofing the system, enhancing code readability and maintainability, and facilitating easier updates.
- Successfully developed and deployed new error and system fault logging software for all manufacturing and testing rigs across the United Kingdom and international sites.
- Utilised complex problem-solving and strong communication skills to manage, test, and build manufacturing and assembly system rig software.
- Successfully applied the software development life cycle when updating and creating new features for software across the business.
- Utilised Azure DevOps Boards (Kanban Model) in teams to successfully manage the workload
- Actively participated in recurring stand-up meetings to assess the agenda for the upcoming week and evaluate the progress made.
- Displayed adept analytical skills to help understand and learn complex software systems for both Visual Basic 6 and C#.
- Collaborated with numerous stakeholders across the business in the UK and internationally, including regions such as Japan, Brazil, Germany, and more.
- Through dedicated course participation, I successfully acquired effective presentation and communication skills tailored to the business environment.

HSUX Design.

Bristol, United Kingdom

CO-FOUNDER & UX DESIGNER

Jan. 2022 - Sep. 2023

- Provided user experience design services to small businesses

Avon Protection

Melksham, United Kingdom

IT PMO ADMIN

Jun. 2022 - Jan. 2023

- Utilised complex problem and strong communication skills to manage, resolve, and effectively communicate issues on the delivery of products to employees in the UK and different time zones.
- Dealt with numerous project management tasks across multiple sites
- Displayed adept and analytical skills to gain knowledge and experience on new software systems (Sage x3 & SAP).

Acronym Computers

Portsmouth, United Kingdom

HARDWARE & SOFTWARE ENGINEER

Sept. 2019 - Feb. 2020

- Called upon complex problem skills to manage and resolve hardware and software issues.
- Project managed software installations, administration, troubleshooting, and upgrades.
- Utilised communication skills to articulate complex technical details to non-technical people in an accessible format.
- Tested systems performance and reported on strategies to resolve issues.
- Cemented an appreciation for the importance of first-class customer service alongside energy, drive, and enthusiasm.

Education

University of Portsmouth

Portsmouth, United Kingdom

B.S.C (HONS) IN COMPUTER SCIENCE (2:1 68%)

Sept. 2019 - Jun. 2022

- Designed a futuristic support package used by Special Forces and health care professionals, including a robotic health care package to be controlled using Brain Computer Interface (BCI).
- Software Engineering group Project - created a web-based application called "What can I cook". This web application allowed users to input their ingredients from home and see what foods/dishes they are available to cook. Also, other features such as favorites, creating your recipe, diet filters, and storing as well as a calorie calculator.
- Web Programming project - created a source code plagiarism checker that allowed users to store files and compare them to a file that they uploaded. The user will receive a plagiarism report after uploading the file. The report showed the character difference of each file, this was done by using npm levenstein.
- Robotics - creating robots in Vrep to pick up objects and deliver them to a specific location. Successfully created a litter bot that used sensors and cameras to detect objects and colours. This was done to help indicate what type of litter the robot is picking up and which bin the litter needs to be delivered to.
- Final year project, finding a solution to the ineffectiveness of health care patient reporting systems/applications. The proposed solution was to create a new user interface using an interactive 3D graphical body for patients to select where they feel pain or discomfort. This was done to help increase the effectiveness of patient interaction in medical health applications.

City of Bristol College

Bristol, United Kingdom

NATIONAL FOUNDATION DIPLOMA LEVEL III IN COMPUTING (DISTINCTION * DISTINCTION * DISTINCTION)

Sept. 2017 - Jun. 2019

- Project managed the development of a children's primary school mathematics game using C# programming language.

St Laurence Secondary School

Bradford on Avon, United Kingdom

EIGHT GCSES (ALL GRADE A*-C), INCLUDING ENGLISH, MATHEMATICS AND SCIENCE

Sept. 2012 - Jul. 2017

Personal Highlights

- Orchestrated a seamless charity football tournament at Goals in Portsmouth.
- Enhanced written communication and people engagement skills while administering a Twitter page with 2100+ followers.

Other

- **Fluent in English reading, speaking, and writing**
- **Fluent in Moroccan Arabic (Darija) reading, speaking, and writing**
- **Co-Founder of HSUX Design**
- **Full UK Drivers License**