

{Conor Lowney}

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Profile

I am a Computer Engineer with over 8 years of experience in programming various complexities and languages including C, C++, C#, and Python. Use of platforms such as Jira and Git software, using various IDEs to create back and front-end applications and webpages or web-based programs. Extensive use of Servers, SQL, Shell, and Bash.

Work experience

Alexander Battery Technologies

Full Stack Software Developer

11/2021 – present

Developing software for battery testing and creation, including writing C++ for Arduinos, Microcontroller Hex codes and I2C commands. I also created the C# UWP software for the improvement and testing of batteries, based on .NET Framework with small .NET Core features. As the Full Stack Software Developer, I work on both the front-end and back-end of all programs and Intranet websites. These include using HTML, CSS, React and other Javascripts I maintain all Repositories and deal with all Merges, Commits and other maintenance of GitLab. Continuous integration and development of all current software and firmware such as WPF, WinForms, C and C++ Firmware.

Vertex

CAD Software Developer and Designer

01/2019 – 06/2020

Programming and customisation of CAD software for customers including making custom connections and Profile sections. Talking with customers to assist in any software issues including creating bug reports and fixing bugs. Doing design work for the globe including LGS structures and Modular buildings. Training customers and staff. Creation of webpages using Javascript, HTML and CSS for download links of new versions of the live program. Publishing versions after updates. Creating and maintaining the AR and VR phone app used to identify “Stud” LGS members and their location in the plan.

CleverClogsITServices (Myself)

Computer Engineer

04/2014 – Present

Generating new 3d modelled products or software in various languages and frameworks. Modifying existing software and hardware for customers. Reporting problems and deficiencies in the product and brief appropriate person or fix Bugs and Issues. Itemizing all components and materials for all jobs. Providing technical advice and assistance to the team. Managing projects. Using varied packages from Autodesk, Dassault, Microsoft and JetBrains: These include Revit, Solidworks, Inventor, AutoCAD, Civil 3D, Advance Steel, Maya, Dreamweaver, Visual Studio, NP++ and Rider. Involved in prototypes and trials. Maintaining files and records throughout contracts. Carrying out pre-and post-order and/or project-specific changes. The undertaking of physical testing of prototypes, samples, and software. Ensuring that projects take full regard for all health and safety requirements. These include Sewerby Hall, Bootham School, V2 Storm Drainage California, Car park drainage systems, Colonnade Foyer (York Royal Theatre), Budweiser, Marvel Studios, Barclays, German Military and Private contracts. As well as many more, not all of the jobs I have done with my company fit neatly into a category so please feel free to ask me about them.



Skills

- WEB DEVELOPEMENT

HTML



JavaScript



React



- SOFTWARE DEVELOPMENT

Python



C/C++



C#



SQL



- SYSTEM & NETWORKING

Git



Continuous Integration



NAS and Cloud Servers



Virtualization



- IT METHODOLOGIES

Agile



KISS



DRY



SOLID



Strengths

Knowledge of Windows forms and WPF

Knowledge of Node.js

Communication

Presentation

Problem-Solving

Resilience to deal with critical feedback

Teamwork

Comfortable with learning



Hobbies



Home Automation



New technologies



DIY



Shooting