



Employment

An individual with an underlying passion for technology and everything about it. From software to hardware, programming to quality assurance, troubleshooting to bug fixing and interacting with the final product.

Activity Superstore Junior Developer/IT Support

Saffron Walden, Essex, UK
March 2019 - Present

Leading supplier of gift experiences in the retail sector and with a growing online presence

- Created a C# based integration into Adobe Campaign, this involved:
 - Building a Single Customer View (SCV) database in SQL Server to contain all centralized customer information
 - Developing an import/export service to import data into the SCV from various sources and to export data to Adobe Campaign
 - Creating tools to map sales to email campaigns which created data used by PowerBI
- Developed two apps that were deployed across 50 shopping centres across the UK during Christmas 2019 to improve the company's presence on the high street
 - Built in Ionic Framework utilizing TypeScript
 - Developed to be fully offline and independent of any other resources
 - Sales can be as high as 80%+ up in stores where apps are present, vs. not
- Worked as a team to improve and develop the company's website and internal systems
 - Technologies include C#, VB.NET, ASP.NET, Lucene.Net, SQL Server
 - Utilizing Octopus Deploy to deploy applications to various destinations including Azure App Services, VMs & more.
 - Collaborating using Azure DevOps/TFS

Minecraft Panel & GCPanel Co-founder/Software Engineer

2011-2019




An online control panel I built to control game servers varying from Minecraft to Source Engine based games. To date this is one of the most used custom made panels in the world.

- Developed from the ground up to manage all aspects of each server
- Backend monitor written in C# whilst the actual web control panel uses php serverside
- Deployed on over 70 dedicated servers running Linux and 3,000+ game servers
- Utilized the Mono project to use the .NET framework cross platform
- Upon the release of my bespoke control panel in 2012, the 3 person company's turnover went from \$6.5k in 2011 to \$150k in 2012 and then \$320k in 2013 – to date the company has turned over in excess of \$1.5 million



Jake Crooks

Software Engineer

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In Q3-Q4 2017 I undertook a massive upgrade to Minecraft Panel, this included:

- Rewriting the backend monitor in JavaScript using Node.js & Express (to serve as a REST API for service calls, previous version used a basic TCP server for communication)
- Utilized WebSockets to provide an interactive and easy to use web console for server owners to view the output of their server and send commands
- Authentication improvements (added two-factor authentication etc)
- Improved responsiveness and mobile support using media queries

Key Skills

- C#
- VB.NET
- PHP
- ASP.NET
- Ionic Framework
- SQL Server
- Azure DevOps/TFS
- Time Management/Scheduling

Education

Anglia Ruskin University
BSc Media and Internet Technology
(First Class Honours)

Cambridge, UK
September 2013 – May 2016

Castle Manor Academy
A Levels: Applied ICT, Media Studies
and Business
10 GCSE's A-C including English &
Mathematics

Haverhill, Suffolk, UK
September 2008 – June 2013

Volunteering

Sue Ryder
Lead Volunteer

Haverhill, Suffolk, UK
June 2018 – March 2019

- Running the shop floor and providing customers with assistance if needed
- Sorting thousands of pieces of stock in a fast turnaround environment
- Working with, supporting and listening to older volunteers