

Sam Gilbert (BSc & MSc)

Senior Software Engineer

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SamGilbert@programmer.net



09. 2017
Present

Indra, Park Air Systems

Cambridgeshire, United Kingdom / Remote

Senior Software Engineer

I joined Park Air Systems as a Graduate Engineer in late 2017. In early 2019, I was promoted to Software Engineer. My initial role within the company was to develop new features for and maintain an existing civil and military RCMS system, which is currently in use in over 60 countries, primarily programmed in C# and distributed on Windows Server OS and Windows mobile for tablets.

Since 2019, I have been involved in the architecture, design and implementation of a brand-new ATC civil and military RCMS system, moving from a monolithic architecture to microservices. The various stages of this work have given me experience with .NET Core, .NET 8.0, Docker, gRPC and RESTful API's.

While still working on other aforementioned projects, in February 2022, I moved teams to aid the development of new software features for the S4-IP Controller. This product operates within air traffic control towers, runs on embedded Windows 10 IOT and is a self-contained mission-critical product used to interface directly to radio equipment in active operation at airports.

I was promoted to Senior Software Engineer in late 2023 and continue to work cross-team and cross-product, alongside leading the relationship with Anglia Ruskin University Peterborough, for mentoring aspiring engineers.

09. 2016
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University Centre Peterborough

Cambridgeshire, United Kingdom

University Lecturer

One was privileged enough to spend a year as a University lecturer delivering topics such as math for computing and introduction to programming. During this time, I also undertook study to achieve a MSc in Software Engineering from Hertfordshire University. One of the greatest aspects of this employment was taking part in outreach programmes delivering mentoring to secondary school students who wanted to pursue a career in software. However, after one year of lecturing, I decided that I needed to continue to develop my software skillset and the best place to do this was in industry.



University of Hertfordshire

Online Study

Degree: MSc Software Engineering

Anglia Ruskin University

UCP Campus

Degree: 1st Class BSc(Hons) Computer and Information Systems.



C# (.NET 8.0)



gRPC



Docker



GIT



Blazor



SQL



Microservices



MVC & MVVM



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