





Sophie Ebsworth Bsc.(Hons) EngTech TMIET

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Sophie Ebsworth 

A qualified Senior SCADA Engineer with a First-Class Hons Degree in Electrical and Electronic Engineering. A member of the Institution of Engineering and Technology with Engineering Technician accreditation. Gaining engineering & industry knowledge through a Siemens UK Apprenticeship scheme which lead to be nominated and winning awards, which are listed below:

- Nominated for 2015 Apprentice of the year for Siemens Rail Mobility
- Nominated for 2015 Apprentice of the year for Siemens UK
- Nominated for 2016 Apprentice of the year for Siemens UK
- Won 2016 Apprentice of the year for Siemens CIS
- Won Highly Commended for Higher Apprentice of the year Siemens UK 2017

Skills

- | | |
|-------------------|---------------------------|
| • Team Work | • Organised |
| • Communication | • Time management |
| • Problem-Solving | • Motivated |
| • Hard-working | • Adaptable |
| • Focused | • Full UK Driving License |
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Experience

JANUARY 2024 – CURRENT

Senior SCADA Engineer / Siemens Mobility Ltd

In my current position I am working on various projects within the UK. I am getting experience as a Project Engineer to manage the engineering delivery on a project to install a data diode at York Control Centre for the East Coast Main Line. This role will help me gain the relevant experience I need to complete my application for IET IEng.

In my own time I have decided to develop myself in Front End Development by doing a 16 week evening course with edX and Birmingham University.

JUNE 2023 – JANUARY 2024

Project Engineer / ACTEMIUM Automation

I gained experience using Aveva InTouch HMI to design and create mimics for an Airport Jet Fuel project. I was in the water industry team, so I was exposed to water treatment sites and getting the relevant knowledge on water standards and certificates to work onsite.

OCTOBER 2021 – MAY 2023

Senior SCADA Engineer / Siemens Mobility Ltd

During my time at Siemens, I had 4 different job roles and involved in many Railway projects both UK and international. I ended up leaving the business as a Senior SCADA Engineer, the project I worked on as a Senior Engineer is listed below:

- **Riyadh Metro** – I worked on this project as the Scrum Master with the responsibility of managing a team to develop the user interface of the Facility SCADA system for Line 1 & Line 2 using Polarion as the tool to manage and plan the workload and resource. I have also been a team leader and engineer on this project, I continued to be involved in the development of the SCADA system but mainly was involved in planning, team management and working with the project team to deliver

customer needs. On this project I was been able to get training and experience in Agile, use Polarion as a management tool and learn how to manage to a team.

Daily I used Microsoft office, Plastic SCM for version control and Polarion for project lifecycle management. I have knowledge on IEC61850 & DNP3 protocols and able to code in languages Pascal, Delphi, SQL, and C. I attended a Microsoft SQL Server training course and taken training in Agile Ways of Working and Powerful 121s for Managers.

JUNE 2018 – SEPTEMBER 2021

Systems Delivery Engineer / Siemens Mobility Ltd

As a Systems Delivery Engineer, the projects I was involved in are listed below:

- **Riyadh Metro** – Joined the project as an engineer to develop the user interface of the Facility SCADA system for Line 1 & Line 2 of the 6 Line Riyadh Metro. The Facility SCADA system interfaces with multiple subsystems mainly passenger information systems such as CCTV, PA, PIDS, Help Points.
- **Greater West Electrification Project** - I had the responsibility to develop and maintain the database of 30 sites on the Power SCADA system that operates the Great Western Railway. I was also the key engineer to communicate with the test team and give them test releases. This project also allowed me to get site experience at Electrical Control Rooms and railway substations.
- **Midland Main Line London to Corby Project** – I had the responsibility of developing a new configuration for a Fastflex Compact RTU which acted like an IED (Intelligent Electronic Device). This configuration is now being used in Compact RTUs on the London to Corby Route to electrify the route.
- **SCADA Training Project** - As part of my degree dissertation I had a work-based project which involved working with a team of people to create a training system for the in-house training & development team for them to train and showcase what the business does. I had the responsibility of creating a circuit break simulator and sharing the role of project manager.

DECEMBER 2017 – JUNE 2018

Assistant Engineer / Siemens Mobility Ltd

For the 6 months of being an Assistant Engineer I worked on the Greater West Electrification project as a database engineer. As part of this project the team had implemented for the world's first new protection scheme called Rationalised Autotransformer System (RATS), which lead to Siemens winning Innovation of the Year at the National Rail Awards 2018 with business partners on the project. Along with my day job, I attended college one day a week to achieve my qualifications.

SEPTEMBER 2014 – DECEMBER 2017

Higher Apprentice / Siemens Mobility Ltd

As an apprentice I gained various skills and knowledge by working with different engineers and departments. I moved around the business to learn and understand how the business works but also the products of the business. Again, I worked on various projects with different responsibilities:

- **Qatar Education City** – I had the responsibility to design & develop the Graphic User Interface of the Passenger Information SCADA System.
- **Greater West Electrification Project** – I started as a Tester, ensuring the Power SCADA system was fit for purpose, before moving on to a database engineer.
- **Cathcart Upgrade Project** – I briefly worked on this project as a database engineer to upgrade the Power SCADA system.

Along with work I also had to attend college for 1/2 days a week to achieve my qualifications.

2008 – 2015

Sales Assistant / Ebby's Ice Cream Parlour

Family-owned business and I had the responsibility of handling money, speaking to and delivering a service to the public at event such as cricket matches, concerts and summer fairs.

Education

2017 - 2019

BSc (Hons) Electrical & Electronic Engineering / University of Derby

Grade awarded – First Class (Hons)

2016-2017

HND Electrical & Electronic Engineering / Loughborough College

Grade awarded – Distinction

2014-2016

HNC Electrical & Electronic Engineering / Loughborough College

Grade awarded – Merit

2014-2017

Level 4 NVQ Extended Diploma in Engineering Manufacture / EAL (Siemens)

Grade awarded – Pass

2014-2016

Level 2 NVQ Diploma in Performing Engineering Operations / EAL (Loughborough College)

Grade awarded – Pass

2012-2014

A-Levels / Peter Symonds College

Grades awarded – C, D, D, E

2012-2013

AS-Levels / Peter Symonds College

Grades awarded – C, D, D, D, E

2007-2012

GCSEs / Thornden School

Grades awarded – 5 A's, B, 2 C's and Distinction

Activities

Throughout my career I have been motivated to encourage the next generation especially women to get into STEM (Science, Technology, Engineering, Mathematics) subjects and possibly become an engineer, as there is a well-known shortage in women joining the engineering industry. This had allowed me to become a STEM Ambassador for a few years and gave me experience in volunteering for many events such as Greenpower and giving presentations to students and companies. Outside of work I enjoy traveling the world, experiencing new things, and learning about different cultures. I enjoy taking my dog for long walks and being out in nature along with yoga, reading, painting, watching films and tv shows.

REFERENCES ARE AVAILABLE UPON REQUEST