

# Zak Dowsett

## Software Developer

Quick learning Software Developer with 2 ½ years of professional experience. Achieved a 1st in (BSc) Computer Science from the University of Portsmouth. Have a huge interest in the application of blockchain and cyber security. Previous projects range from websites to desktop applications, as well as the creation of REST APIs and B2B integration projects.

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Southsea (Looking to relocate) 📍

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## EMPLOYMENT

### Software Developer Transalis

06/2019 - Present

*B2Bi Automation, Integration and Analytics. Connecting 98% of the electronically-trading UK retail market*

*Achievements/Tasks*

- Developed a permissioned blockchain application to store immutable records for businesses, which can be interacted with by a number of APIs
- Earned Certified Blockchain Security Professional (CBSP) certification with Blockchain Training Alliance (BTA)
- Work both within teams and independently on multiple projects depending on the size, communicating with clients to identify project deliverables and meet deadlines
- Develop and maintain REST APIs with correct authorisation and authentication policies for clients to access data stored on our system
- Supported infrastructure with server setup and application deployment, as well as implementing server monitoring tools
- Led small group projects which required liaising with clients throughout the life of the project and assigning tasks based on availability and experience

### Placement Software Developer Pear Technology

07/2017 - 08/2018

*Provide digital mapping services to both public and private sector, as well as develop easy-to-use GIS software for clients*

*Achievements/Tasks*

- Created new features and bug fixes for two existing online products: Map Shop and Cemetery Searcher
- Monitored and maintained a Microsoft IIS server hosted on Amazon AWS EC2, as well as design and development of SQL databases
- Worked on new features for a new desktop GIS application, utilising the .NET framework and many different libraries, which was released in an Alpha state to customers
- Proposed and started work on a new online web application which would work across a wide range of online devices and save work to the cloud
- Attended a conference to get an insight and report back on what is currently available within the market and speak to potential future customers about what they would want

## INTERESTS

Gym Hiking Wild Camping Airsoft Reading

Blockchain Cyber Security

## SKILLS

Problem Solving

Teamwork

Leadership

Communication

Time Management

C# / .NET

React / JS

Linux

Java / Maven

SQL

MongoDB

Blockchain

Server Management

## EDUCATION

### BSc Computer Science University of Portsmouth

09/2015 - 05/2019

1st Class Honours

*Units*

- Final Year Project implementing Fully Homomorphic Encryption into a Blockchain application
- Security and Cryptography
- Theoretical Computer Science and Discrete Mathematics
- Parallel/Distributed Systems
- Practical Data Analytics, Warehousing and Mining
- Software Engineering
- Database Design and Development
- Usability and Web Design

### A-Level / GCSE

#### The Barclay School

09/2011 - 08/2015

Stevenage

*Results*

- 3 AS2 levels - Grade C in Maths, Grade D in both Economics and Business
- 11 GCSEs grades A - C including Maths (A) and English Language (C)

## VOLUNTEER EXPERIENCE

### Volunteer First Aider St. John Ambulance

12/2008 - Present

### Society President UoP Airsoft Society

06/2018 - 05/2019