Zak Dowsett
Development Team Lead

Quick learning and adaptable Full Stack Software Developer with 5 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. Recently involved in leading a team of 4 developers and freelancing in my free time.

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EMPLOYMENT

Senior Software Engineer
1FIT

12/2022 - Present

Fitness application for coaches to interact with their clients for planning meals, training and daily check-ins to track progress.

Achievements/Tasks

- Initially hired by CTO to provide contract work for the initial development of 1FIT.
- Designed the data structure based off of the design document and discussions with the founders.
- Containerised the server using Docker to maintain high availability with Amazon ECS.
- Developed the backend API using Laravel and the client mobile app using VueJS.
- Integrated Stripe and Stripe Connect functionality into the app to enable payments to both 1FIT and the coaches.
- Hired full time in October 2023.

Development Team Lead
Blue Square

08/2021 - 10/2023

Retail marketing company to help brands grow and engage with their customers, grow sales and increase loyalty.

Achievements/Tasks

- Initially hired as full stack developer to bring the company's software solutions in house.
- Hired and led a team of 4 after 6 months, following a successful initial development project within the company.
- Worked closely with clients to create web applications, such as employee experiences platforms and 'darkstores'.
- Built a web app on AWS Lambda and EC2 which consolidated multiple third party systems and teams into a single platform.
- Mentored an employee during their DevOps apprenticeship.
- Implemented agile methodologies to improve productivity in a rapidly changing work environment.

Software Developer
Transalis

06/2019 - 08/2021

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

Achievements/Tasks

- Developed a permissioned blockchain application in Java, with built in REST API and Apache Kafka integration.
- Earned Certified Blockchain Security Professional (CBSP) certification with Blockchain Training Alliance (BTA).
- Supported infrastructure team with server setup, application deployment, and server/app monitoring.
- Led small group projects which required liaising with clients throughout the project and assign tasks based on suitability.

SKILLS

Leadership | Mentoring | .NET | AWS | VueJS | React | SQL | MongoDB | Blockchain | Docker | Atlassian

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
- Practical Data Analytics, Warehousing and Mining
- 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 - 05/2019

Society President
UoP Airsoft Society

06/2018 - 05/2019

INTERESTS

Gym | Hiking/Camping | Homelabbing | Reading | Blockchain | Cyber Security