

# Blaine Malone

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## EDUCATION

### Queen's University Belfast

**BSc** Computer Science – First Class Honours  
Dissertation – Evaluation of Migrating to Decentralised Applications using Blockchain Technology

**Sep. 2013 – Jun. 2017**  
Belfast, NI

### St. Paul's High School Bessbrook

**A-Levels** Chemistry, Biology, ICT – A, A, A  
Top result in A-Level Chemistry & outstanding academic excellence award.

**Sep. 2006 – Jun. 2013**  
Armagh, IRE

## EXPERIENCE

### Deloitte Digital | Software Engineer

**Aug. 2015 – Sep. 2016**  
London, UK / Glasgow, UK /  
Belfast NI

Developer working with client National Australia Bank, developed an intelligent banking application called 'B' with Approx. 100,000 downloads. Mainly involved with micro-service development in API Gateway. Passed British Computing Society certification examinations. Investigated new use cases of blockchain technology in Deloitte Digital's 'Innovation Laboratory'. Named core developer for SmartIdentity. A working prototype owned by DDigital. <http://deloitte.co.uk/smartid/>

### QUB | Lab Demonstrator / Tutor

*Employed by Computer Science Dept.*  
Mentored/Tutored 1<sup>st</sup> and 2<sup>nd</sup> years Computer Science students.  
Paid employment, only top achieving students are eligible to apply.

**Sep. 2016 – Jun. 2017**  
Belfast, NI

### Rakuten Blockchain Lab | Student

In an affiliation with Queen's University, Rakuten Blockchain Lab were interested in students embarking on dissertation projects in Bitcoin and/or other cryptocurrencies.

**Sep. 2016 – Jun. 2017**

### Trustology | Software Engineer

FinTech start-up Trustology, a ConsenSys spoke. Building a custody platform to safeguard crypto assets. Our smart accounts will be customisable to satisfy the diverse needs of individual, corporate, exchange and institutional clients, now and in the future.

**Jan. 2018 – Present**

## PROJECTS

**GitHub:** [github.com/blmalone](https://github.com/blmalone) **StackOverflow:** [goo.gl/RR1YGr](https://stackoverflow.com/users/1025920/blaine-malone)

### Hosting a Public Web Server from Home

Aug. 2017 – more info at [blainemalone.com/blogs](http://blainemalone.com/blogs)

### Bitcoin & Cryptocurrency Technologies

Sep. 2017 – Course by Princeton University enlisted on Coursera.com. Code on GitHub.

### Cryptography – Symmetric and Asymmetric

Implemented RSA & S-DES algorithms in Java. Code on GitHub.

### Personal website

Initially hosted website from Raspberry Pi. Now hosted on Amazon Web Services. Code on GitHub.

### Multiprocessor Programming

Concurrent data structures of varying efficiency implemented in Java. Code on GitHub.

### Academic verification service – Ethereum

Fixed defects for Ethereumj code base while developing a decentralised app for verifying legitimacy of a candidates CV. Code on GitHub.

## SKILLS

## PERSONAL

### Experience

Java, JavaScript/TS, C, Solidity, HTML/CSS, SQL, GoLang, Algorithms, Concurrent Programs, PROLOG, Bitcoin/Ethereum (Top 10% StackExchange - reaching ~35k people)

### Frameworks/Libraries/Other

Spring, Docker, Git, Android, AWS, Microservices, Gradle, React/Redux, NodeJS.

Software Engineer with a keen interest in technology and how things work. I enjoy learning new things to help solve problems in different ways. I would like to make a lasting, positive impact in society. Recently moved to London from Ireland, where I'm working in an exciting start-up. A typical day would include writing code for production systems, deploying infrastructure and helping design architectural solutions.