



C/C++ Developer role in IoT security

Based in Reading, UK

We are looking for an experienced, highly motivated and well- rounded Software Developer with strong C/C++ skills and experience. This position will be an integral part of the Device Authority development team and responsible for mission critical development related to Device Authority's KeyScaler™ IoT Security Platform.

You will join a small, friendly and talented team to maintain and extend the functionality of our core products. This position is office-based, located in our UK HQ in Reading - a brand new serviced office with great benefits, a literal stone's throw from the station.

At Device Authority you will be responsible for

- Design and developing state-of-the-art IoT security software alongside a product management team to deliver requirements and features
- Performing unit testing and automated test development
- Understanding end-user needs and developing software solutions
- Collaborate with other developers to design and optimize code
- Contributing to product documentation
- Documenting your programming tasks and performing routine software maintenance

You should have

- Knowledge of standard methodologies in software development and ability to work both in a team, and independently
- 5+ years' experience with strong C/C++ programming, and Object Oriented design
- Proven working knowledge of GNU development and debugging tools – automake / autoconf / libtool / makefile
- Working knowledge of multithread programming – Pthreads / deadlock / locks / lock free / concurrency
- Expertise in development, debugging, and analysis on Linux and one or more of Windows and Mac OS
- Understanding of cryptographic standards – Symmetric/Asymmetric Encryption / PKI / Digital

Bonus if...

- You have expansive knowledge of Open Source libraries, tools and frameworks, e.g. for logging, wiring, testing, building
- You have coding experience using OpenSSL libraries
- You are comfortable with relational databases such as MySQL, Oracle, and SQL Server
- You are confident with Unix Shell scripting
- Java development experience specifically working with Spring Framework, BouncyCastle, Message Queue Technologies

Why work at Device Authority?

- Get to work with a passionate, dedicated, and diverse group of people building on the leading provider of IoT IAM.
- Grow as a developer with ongoing training.
- Offices in Reading, UK and Fremont, California.
- KeyScaler uses patented technology (9 US issued and 6 Foreign issued) and is validated with several customer implementations in Industrial and Healthcare sectors.

About Device Authority:

Device Authority is a recognized leader in IoT security, in particular device identity centric IAM for IoT solutions. IAM for IoT is different, but also complementary to traditional IAM (Enterprise and Cloud IAM).

KeyScaler™ platform provides trust for IoT devices and the IoT ecosystem, to address the challenges of securing the Internet of Things. KeyScaler™ uses breakthrough technology including Dynamic Device Key Generation (DDKG) and PKI Signature+ that delivers extraordinary simplicity and trust to IoT devices. This solution delivers automated device provisioning, authentication, credential management and policy based end-to-end data security/encryption.

Device Authority partners with the leading IoT ecosystem providers, including AWS, Dell, DigiCert, Gemalto, HID Global, Intel, Microsoft, nCipher Security, PTC, Sectigo and Thales.

We are an equal opportunity employer and value diversity at our company. We do not discriminate on the basis of race, religion, colour, national origin, gender, sexual orientation, age, marital status, veteran status, or disability status.

Submit applications to careers@deviceauthority.com



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