

Job Title: Solution Architect – Blockchain / Emerging Technologies

Location: Toronto (56 Wellesley Street West, Toronto ON, M5S 2S3)

Innovation @ Access Copyright – Imagine. Build. Transform.

At Access Copyright's Innovation Lab, we are defining the future of rights management and content monetization by leveraging emerging technologies. If you are an individual who is self-directed, determined, intellectually curious and likes to work in an entrepreneurial environment, we think you would be a perfect addition to our team. You will work with a small team of entrepreneurial-minded professionals in a unique startup environment within an established organization.

As a Solution Architect – Blockchain / Emerging technologies, you will be a part of a multi-disciplinary, high performance team that is solving complex business problems and helping launch new technology-based services for the creative ecosystem. You will be focused on conceptualizing, architecting and setting up development direction for tangible, innovative solutions that are visionary as well as pragmatic – these solutions are software / hardware based and leverage the technologies and concepts in digital consumer facing technologies and emerging technologies like Blockchain.

Minimum Qualifications:

- A degree in Computer Science / Mathematics or equivalent work experience in a field utilizing the same subject matter
- Experience delivering proof of concepts / prototypes, component design and some complete systems architecture
- Knowledge of a core set of systems including databases, transactions processing, messaging and integration technology
- Ability to take a business solution from business requirements into a coherent concept and then into some prototype code. Experience of taking early code into the basis of a technology product.
- Experience with at least one Blockchain implementation
- Minimum 3 year of technical architecture experience, including - architecting and delivering web and mobile (iOS / Android) products and solutions
- Minimum 1 year of experience with one or more of the following Blockchain/Distributed Ledger Platforms: Ethereum, Hyperledger Fabric, Hyperledger Sawtooth, Ripple, Stellar, Corda etc.
- Minimum 3 years of experience with 1 or more of the following programming languages: Java, Go, JavaScript, Scala, Python.
- Minimum 1 year of Agile development experience using continuous integration and/or other DevOps tooling
- Must be legally able to work in Canada

Preferred / Good to Have Qualifications:

- Knowledge of other emerging technologies like AI (Artificial Intelligence)
- Installation, configuration and development including work within a production environment
- Infrastructure architecture and design in Cloud (PaaS and IaaS), especially around Linux-based workloads using virtualization or containers (Docker)
- Knowledge of peer-to-peer networking and distributed storage systems such as Storj and IPFS
- Experience with security and cryptography
- Experience with Blockchain architecture design patterns and supporting infrastructure
- Experience and interest in Cloud and containerization technologies (e.g. Docker)
- Prior experience working in areas of emerging technology and driving new points of view and capabilities
- Experience in defining one or more following architecture aspects: Availability, Maintainability, Operability, Scalability and Portability
- Prior experience in management methodologies (waterfall or agile), enterprise planning, estimation, and project management (single and multi-site)
- Experience delivering end-to-end solutions (Lifecycle for infrastructure including SDLC)
- Able to confidently articulate the benefits (and drawbacks) of a technical implementation to technical and non-technical stakeholders

About Access Copyright and its Innovation Lab:

At Access Copyright's Innovation Lab, we are exploring new content experiences and rights management technology. We are leveraging exponential technologies like blockchain to address the value gap for creators.

This innovation lab is an initiative of Access Copyright, which is a not-for-profit organization representing tens of thousands of Canadian and foreign writers, visual artists and publishers, and their works. This rich repertoire of content is highly valued, by educators, students, researchers, corporate employees and others who need to copy and share content. We license the copying of this repertoire to educational institutions, businesses, governments and others. The proceeds gathered when content is copied, remixed and shared are passed along to the copyright-holders. These investments help to ensure the continued creation of new and innovative works.

At the Innovation Lab, we:

- Drive innovation from deep and unconventional insights about content creators and consumers
- Look beyond traditional practices and identify new profitable business models
- Use rapid experimentation to determine whether business value can be extracted from a hypothesized use case
- Nurture relationships with existing and new partners to accelerate innovation through collaboration

Applicants interested in applying are encouraged to send their resumé and cover letter via email to info@accesscopyright.ca. Please reference **Solution Architect** in the subject line.

Access Copyright is committed to providing accommodations for people with disabilities. If you require an accommodation, we will work with you to meet your needs. Kindly let us know of your need.