# INFRASTRUCTURE ENGINEER

## ABOUT COIN METRICS

Coin Metrics is a leading provider of cryptoasset data for institutions. We deliver transparent and actionable data and analytics to various industry stakeholders including asset managers, custodians, trading venues, research desks, and data/application providers. Coin Metrics' data empowers its clients and the public to better understand, use and value open crypto networks.

## JOB DESCRIPTION

Coin Metrics is recruiting an Infrastructure Engineer to support its network data collection and node operations.

Join a fast-paced startup pioneering novel metrics, data products, and intelligence solutions, which offer insights into the economics, markets, usage, health, and other aspects of public cryptocurrency blockchains like Bitcoin and Ethereum and other crypto networks.

You will be surrounded by talented people passionate about decentralized economies and the data behind them. Break new ground, create exciting new data-driven research and products, and help shape the future of finance.

**Key responsibilities include:**

- Maintain blockchain nodes and monitor key areas such as network synchronization, connected peers, node configurations, and supporting infrastructure.

- Investigate issues and respond to incidents, network attacks, and synchronization problems.

- Evaluate the feasibility of alternative client implementations and produce performance benchmarks.

- Develop services and key pieces of infrastructure to automate processes that support the deployment, monitoring and QC of full nodes.

- Keep track of client updates, softforks, hardforks, and other events that may disrupt operations.

- Research key topics related to new node additions, including emerging blockchain data structures, consensus algorithms and network vulnerabilities.

# BASIC QUALIFICATIONS

- Proficiency with the Kotlin programming language; database management systems, like PostgreSQL; load balancing and reverse proxies technologies, like Nginx; as well as advanced search and analytics engine, such as ElasticSearch or Cassandra.

- Solid understanding of how blockchains operate and the inner workings of full and archival nodes.

- Experience configuring, running and maintaining full nodes of various networks, preferably through container management toolkits such as Docker or Kubernetes.

- 3+ years of direct experience in infrastructure, DevOps or back-end engineering roles.


# PREFERRED QUALIFICATIONS

- Experience with more than one cloud infrastructure provider (AWS, Azure, GCP).

- Experience bootstrapping node operations for enterprise clients and/or applications.

- Experience with infrastructure as code software toolkits, such as Terraform or CloudFormation.

- Relevant work, or interest, in infosec. Specifically network theory fields, such as topology analysis.

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