



Coin Metrics, Inc.  
One Broadway 16th Floor  
Cambridge, MA, 02142  
hr@coinmetrics.io  
coinmetrics.io

# Systems Administrator

---

## About Coin Metrics

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

## Job Description

Coin Metrics is recruiting a Systems Administrator (i.e., Infrastructure Engineer) to stand up, manage and improve our cloud and bare metal infrastructure and foundational software systems such as databases and message queues. Join a fast-paced startup pioneering novel metrics, data products, and insights surrounding 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 future economies.

**Location:** Greater Boston, MA or New York City, NY area (remote also considered)

## Responsibilities

Develop, maintain, and improve network (i.e., blockchain) and market data collection, processing and delivery systems, such as:



- Work with technical team lead and developers to design, test, integrate, and deploy new projects including docker cluster design and deployment, server automation/monitoring, and database automation
- Maintain and improve performance of existing technology systems
- Monitor and improve existing infrastructure security systems such as VLAN, firewalls, HAProxy, routing, etc.
- Compile and manage infrastructure and security master documentation using Git and Markdown including systems inventory, alerts libraries, and process run books
- Troubleshoot and assist in diagnosing, solving or escalating technical problems involving infrastructure including high availability database and application servers
- Respond to trouble tickets and escalation issues through monitoring and ticket management processes
- Develop and containerize Docker-based systems using configuration management in repositories/registries and scripted deployment such as Ansible
- Develop automation tools within best practice specifications, perform code reduction/re-engineering, and document programming methods/deployment steps
- Strong sense of ownership, entrepreneurial spirit, and/or startup-like experience, capable of driving towards solutions independently while seeking feedback when appropriate

### **Basic Qualifications**

- 5+ years of Linux systems administration experience
- 2+ years of Docker experience
- 3+ years of experience with PostgreSQL; understanding of replication, failover, backups
- Solid command of scripting languages (Python, Bash, etc.)
- Capability to write concise technical documentation
- Understanding of reverse proxying and load balancing (nginx, HAProxy, etc.)
- Experience with Ansible
- Experience with Git
- Experience with CI/CD pipelines (Gitlab CI, Jenkins, etc.)



Note that the following preferred qualifications are not required or expected; however, the more experience in these the better.

### **Preferred Qualifications**

- Familiarity with Apache Mesos, DC/OS, Marathon
- Experience managing large PostgreSQL clusters and Postgres HA software (Patroni, etc.)
- Experience with Apache Cassandra
- Experience with infrastructure monitoring software (Prometheus, Grafana)
- Experience with distributed consensus systems (Apache Zookeeper, etcd or Consul)
- Experience with Apache Kafka
- Familiarity with cloud hosting services (AWS, GCP, Azure, etc.) and their managed offerings

Please send resume (cover letter optional) to [hr@coinmetrics.io](mailto:hr@coinmetrics.io)