

We are very interested in urgently hiring 3-4 current or recently graduated Computer Science graduate and/or undergraduate students and/or double majors.

NetworkofOne is an online video content fund. We will be analyzing online video data. Anyone who joins us will become one of the foremost experts in the world in online video content. It is an amazing opportunity with a company that is executing on a very big vision in the space, that is already backed by top investors and led by proven leaders in the online video space. The compensation will be very competitive.

Company Description:

Network of One is an early-stage online video company focused on the YouTube platform. The leadership team and investor group is comprised of founders/executives from category defining companies including Machinima, Healthguru, Excite, Toptal, Activision, IBM, and LowerMyBills.com

We have several positions available in Business Intelligence, Product Management and Data Engineering, and Data Architecture. I have added 4 job descriptions below. All roles can be Full time, Part time, or Project Specific.

Essentially, we are looking for passionate, smart people who are amazing engineers. This position can be taken by a graduate or a current student.

Most anything in the description can be learned very quickly. As I said, we are looking for simply someone who is passionate, smart and great at what they do. If there is anything below that would preclude someone from applying it should not.

Please find the descriptions below.

## **Senior Business Intelligence/Engineering Analyst**

Network of One | Los Angeles (Greater Los Angeles Area)

This Business Intelligence professional will lead the strategy, technical design, implementation and execution of our business intelligence initiative centered around a massive set of online video usage data. This individual will be responsible for leveraging this business intelligence platform to deliver insights and analysis as well as independently discover trends and test hypotheses that will improve the efficiency and productivity of the core business unit. This person will provide relevant stakeholders (core business unit, management, BOD, current and future investors) with the necessary and appropriate visualizations and user interfaces to leverage company data.

Candidate must be a proactive, self-starter with unbridled energy and passion for designing, implementing and using high quality BI & Analytics platforms who also excels in an agile, fast paced start-up environment.

Responsibilities:

Define and lead projects relevant to the development and delivery of BI, reporting, discovery, analysis and analytics.

Use advanced statistical, machine learning, graph computing and data mining techniques to analyze various data points and statistics related to online video utilization.

Interface with other internal development teams to extract, transform, and load data from a wide variety of APIs and data sources using MySQL, Python, Ruby and PHP.

Perform analysis and test hypotheses to accelerate our core business unit, including development of performance tracking metrics, measurement, and reporting.

Coordinate with internal technology team to further establish and govern data hygiene standards.

Design and implement a dashboard, user interface and reporting scheme tailored to key business stakeholders.

Generate automated reporting and implement systems to readily output Ad-Hoc queries and reports based on emerging business requirements.

**Desired Skills & Experience:**

Business Intelligence and Data Warehousing experience.

Prior experience managing a team of developers and business intelligence analysts.

Eloquent communication (verbal and written) and interpersonal skills to convey key insights from complex analysis in summarized and actionable business terms as well as an ability to effectively communicate with our development teams.

Ability to recognize and surmount technical dependencies that may impact BI analytics and reporting such as API quota limits, internet access bandwidth limitations, MySQL and hardware limitations and cloud vs. local implications.

A solid understanding of the various 'off the shelf' BI solutions such as Tableau, Domo, Looker, etc. Ability to discern their pros and cons and design a separate solution that encapsulates the best features of those products along with flexibility and scalability for the unique necessities of our enterprise.

Experience contributing to project task prioritization, planning, estimating, task assignments and quality assurance at every stage of development.

Strong experience with performance and scalability design is a must.

Extensive knowledge and experience with MySQL.

Experience with design and implementation of Monte Carlo analyses a plus.

Basic Linux user and administration.

Previous experience or working knowledge of core online video and online media business metrics and statistics.

Exceptional Data Warehousing and Modeling skills designing large, complex Data Warehouse solutions pulling from multiple data sources.

Advanced degree in Computer Science, Engineering, Math, Finance, Statistics or equivalent.

## Senior Product Engineer

Network of One | Los Angeles (Greater Los Angeles Area)

The Senior Product Engineer will join our engineering team and work to build products and tools that will allow our business team to execute on required objectives and scale the business. This role is for a highly skilled senior level engineer who has been a Product Engineer in previous roles.

The ideal candidate should have a passion for shipping elegant and responsive web interfaces.

The role will require hands-on experience across the stack; from MySQL query optimization to cross-browser responsive HTML/CSS. We are looking for a candidate with a true passion for technology and is team player, one that can draw on significant past experience and that is a proactive, self-starter with unbridled energy and passion

Responsibilities:

Take a leadership role in proactively creating the best products for our team to achieve business objectives and scale.

As part of the Engineering Team, collaborate closely with Business Intelligence, Product and Data Acquisition teams to produce extraordinary user experiences for internal products and tools.

Design and code in PHP, JavaScript, and HTML/CSS Familiarity with YouTube and Google API

Ship new features and bug fixes every week.

Optimize UI performance and responsiveness.

Responsible for the development and maintenance of key system features.

Will work with other team members to investigate design approaches, prototype new technology and evaluate technical feasibility.

Will work in an Agile/Scrum environment to deliver high quality software against aggressive schedules.

Will establish architectural principles, select design patterns and then mentor team members on their appropriate application.

## Desired Skills & Experience:

- Experience PHP, JavaScript, and HTML/CSS coding skills
- Disciplined approach to testing and quality assurance
- Experience with PHP MVC frameworks (Kohana, CodeIgniter, Zend, etc.)
- Experience with Agile software development
- Knowledgeable foundation in interaction design principles
- Experience with Node, Backbone, Angular, or Ember a plus
- Demonstrated technical hands-on leader managing development teams in an agile work environment
- Experience building and improving targeting systems for online advertising that use machine learning and Big Data using Java, C++ or Python
- Familiarity with common machine learning and statistical techniques, e.g., boosted trees, neural networks, clustering, SVM and Bayesian statistics
- Extensive experience in the online video industry is strongly desired
- Working knowledge of big data technologies and high volume transactional systems

- Knowledgeable of software development lifecycle tools (source control, defect tracking systems, release management, continuous integration)
- Ability to work effectively with cross-functional and multi-disciplinary teams in a fast-paced environment that requires frequent shift in areas of focus
- Advanced degree in Computer Science, Engineering, Math, Finance, Statistics or equivalent.
- Advanced working knowledge of source control and software solution such as Github.

## Director of Data Engineering

Network of One | Los Angeles (Greater Los Angeles Area)

The Director of Data Engineering will work closely with the CIO and other members of the technology team on a variety of company applications, data initiatives (secured) in all areas of the software development life cycle.

Ideal candidates will have deep tactical big-data experience with local, co-located, leased, and cloud based hardware as well as critical understanding of the relative merits and drawbacks of these solutions. Additionally the person will be a primary hands-on contributor on key projects, including strategy development. We are looking for a candidate with a true passion for technology and is team player, one that can draw on significant past experience and that is a proactive, self-starter with unbridled energy and passion

Primary Responsibilities:

- Develop an overall data strategy to address both identified and potential organizational needs and deliver a robust scalable architecture that meets the business goals of the organization, including integration with traditional data stores/sources.
- Help develop an overall program for predictive analytics in the operational area.
- Provide extensive technical, strategic advice and guidance to business and technology team that spans traditional, new and emerging, as well as industry direction and possible integration of solutions into the company environment
- Gain understanding of business domain to deliver solutions that demonstrate architectural benefits Support and guides business in data governance.
- Work on multiple projects simultaneously in a highly matrixed environment.
- Work independently and as a team lead, be responsible for working with application groups, business groups, and internal technology partners to gather requirements, create conceptual and logical data models, create architecture pictures of proposed implementation, design new database schema or re-use existing structures, determine data movement strategy, gather reporting and measurement requirements as well as data availability and recoverability.
- Recommend consolidation or federation of data across various domains, and be knowledgeable on security issues and concerns.
- Set strategic direction for Data architecture.
- Foster teamwork and spirit of collaboration among team members both onshore and offshore.
- Architecture and Design review of all data architecture artifacts like Data Models, Data Movement, Data Access to ensure standards and performance criteria are adhered.

#### Desired Skills & Experience:

- Data modeling/ data architecture or other relevant experience deploying production software with previous experience working on large-scale distributed big data systems.
- Experience in developing and leading the implementation of at least 1 major enterprise-wide data architecture initiative, including the development of as-is and to-be enterprise data architecture.
- Extensive experience applying scripting languages such as Ruby, Python, HTML, Perl, PHP and shell scripting.
- Experience with Linux user and advanced system administration.
- Solid understanding of distributed system concepts used in scaling big data technologies with exponential growth of data and demanding speed requirements for queries. Ability to readily deploy said solutions in batch style processes as business needs dictate.
- Exceptional Data Warehousing and Modeling skills designing large, complex Data Warehouse solutions pulling from multiple data sources.
- Demonstrated expertise in OLTP and Data Warehousing design.
- Strong business & system analysis skills.
- Strong communication & documentation skills.

- Strong problem solving skills and attention to detail
- Ability to work independently and lead data architecture analysis initiatives.
- Strong development experience (distributed and/or mainframe a must)
- Eloquent communication (verbal and written) and interpersonal skills needed to effectively communicate with our executive staff and development teams.
- Ability to recognize and surmount technical dependencies that may impact the data and business pipeline.
- Previous experience or working knowledge of core online video and online media business metrics and statistic.
- Strong experience with performance and scalability design is a must.
- Advanced degree in Computer Science, Engineering, Math, Finance, Statistics or equivalent.
- Advanced working knowledge of source control and software solution such as Github.

## Senior Data Systems Architect



## Network of One | Los Angeles (Greater Los Angeles Area)

The Senior Data Systems Architect will lead the design and implementation of our big data infrastructure centered around leveraging a massive online video usage data set. This individual will be responsible for working with our multi-disciplinary data, business intelligence, and product teams to collect database and business requirements and design, develop and implement data infrastructure and solutions that will enable the company to exponentially scale its data collection and utilization while increasing speed, managing costs, and ensuring redundancy.

This role is likely part-time or project based with an ongoing consulting component. Ideal candidates will have deep tactical big-data experience with local, co-located, leased, and cloud based hardware as well as critical understanding of the relative merits and drawbacks of these solutions. We are looking for a tried and true expert; one that can draw on significant past experience and that is a proactive, self-starter with unbridled energy and passion for designing scalable infrastructure who excels in an agile, fast-paced, start-up environment.

### Responsibilities:

- Take a leadership role in planning, designing and scaling our existing data infrastructure to handle 100x the data capacity and accommodate our current growth initiatives and cost, speed and redundancy requirements.
- Maintain MySQL optimization, capacity planning and performance evaluation.
- Advise and assist team members in query optimization and big data analytics techniques.
- Work with Business Intelligence, Product and Data Acquisition teams to properly structure appropriate master and secondary databases.
- Enable a real-time data pipeline to ensure clean and current data is being surfaced.

- Create a roadmap for data infrastructure planning and appropriate milestones for investment in additional or upgraded solutions.
- Manage the operational overhead of all our systems, both local and on the cloud.
- Work with external partners on technical integrations and QA to assure top quality deliverables are on time and within budget.
- Coordinate with team members to further establish and govern data hygiene standards.
- Maintain proper documentation and revision list.

#### Desired Skills & Experience:

- Developing and deploying production software with previous experience working on large-scale distributed big data systems.
- Extensive experience applying scripting languages such as Ruby, Python, HTML, Perl, PHP and shell scripting.
- Experience with Linux user and advanced system administration.
- Solid understanding of distributed system concepts used in scaling big data

technologies with exponential growth of data and demanding speed requirements for queries. Ability to readily deploy said solutions in batch style processes as business needs dictate.

- Eloquent communication (verbal and written) and interpersonal skills needed to effectively communicate with our executive staff and development teams.
- Ability to recognize and surmount technical dependencies that may impact the data and business pipeline.
- Previous experience or working knowledge of core online video and online media business metrics and statistic.
- Strong experience with performance and scalability design is a must.
- Exceptional Data Warehousing and Modeling skills designing large, complex Data Warehouse solutions pulling from multiple data sources.
- Advanced degree in Computer Science, Engineering, Math, Finance, Statistics or equivalent.
- Advanced working knowledge of source control and software solution such as Github.