Data Integration Engineer

AT&T Labs Research is building a Big Data analytical platform integrating multiple very large-scale data sources. At AT&T Labs, you will have a chance to contribute to cutting-edge research to the next generation of big data technologies. We are looking for a Data Integration engineer who is highly self-directed and able to interact with a world-class research organization.

Role

- Architect, design and maintain large-scale data integration tools and processes;
- Collect data incoming from various business units and implement code to sanitize data;
- Design and implement various statistical and visualization tools to control the quality of the data;
- Load data and provide various datasets to analytical researchers on a distributed data processing platform;
- Create and maintain relevant documentation;
- Evaluate and recommend method, software tools, hardware, and system configuration in support of integrated solutions;
- Evaluate performance and capacity for implemented and planned solutions;
- Work with research and engineering teams to resolve support and technical questions.

Required skills

- M.Sc. in Computer Science or a related area (Ph.D. is a plus);
- 3+ years of experience in enterprise data management (BI modeling, architecture, integration…);
- 3+ years of experience with distributed computing environments (e.g., Hadoop);
- Strong programming skills (e.g., Java, C++, Python, Unix shell);
- Strong analytical and statistical skills;
- Experience in creation of data dictionaries and defining metadata management approaches;
- Understanding of transaction and information systems, data warehouses, data marts, etc.;
- Excellent communication skills, ability to explain and document the data architecture to diverse audiences (technical, business, etc.);

Desired Skills

- Good understanding of various database platforms;
- Experience with data-mining techniques, e.g. statistical linkage, information extraction…
- Working knowledge of statistical analytical tools (e.g. R, Matlab).

Location: Downtown San Francisco, CA; Florham Park, NJ; New-York, NY

If you are interested, please submit your resume to bigdata@research.att.com

Please circulate to any relevant contact.