

Position Title: Cloud Solutions Engineer -JC 0420-00045

Position Location: Vancouver, Canada

Relocation: Not Available

Travel Req: 25%

PDF Solutions, Inc. (NASDAQ: PDFS) is a leading provider of yield improvement technologies, services, systems and analytics for the IC manufacturing process life cycle. Headquartered in San Jose, Calif., PDF Solutions operates worldwide with additional offices in China, Europe, Japan, Korea and Taiwan.

Position Summary: PDF Solutions Inc., the world-wide leader of commercial semiconductor big data analytics solutions, is seeking an experienced, highly-motivated Cloud Engineer to join our Cloud Development team. This growing team is responsible for designing, deploying and maintaining our public cloud-based Exensio® Big Data and Analytics Software.

The Cloud Engineer at PDF is part of a worldwide team responsible for using innovative approaches and public cloud infrastructure to enhance and adapt the design and architecture of the Big Data Analytics software to the SaaS platform. The Engineer directly contributes to the implementation of the core cloud services and deploys automation and provides continuous maintenance and upgrades of PDF Solutions' SaaS platform.

. Responsibilities:

- Participate in building customer environment on the Cloud
- Proactively ensure the highest levels of systems and infrastructure availability;
- Participate in the continuous efforts to improve the design and architecture of our Cloud offering
- Participate in the design and the implementation of Cloud support and maintenance system.
- Maintain security, backup, and redundancy strategies.
- Setup and maintain various services and support tools, primarily on AWS, but also other cloud providers;
- Work closely with the Application and Database teams to resolve issues and improve customer experience.
- Responsible for implementing and maintaining our Big Data analytical system framework using Apache Cassandra and Apache Spark.

Qualifications and Skills

- B.S. or higher in Computer Science or Electrical and Computer Engineering
- 5+ years of experience with Linux / Unix systems administration
- A minimum of 2+ years of experience as a cloud engineer/administrator with a primary responsibility of AWS;
- Experience with networking configuration and administration
- Demonstrated ability to generate and maintain technical documentation;
- Prior exposure to some programming language: Python, Perl, Java;
- Solid knowledge of Shell Scripting and command line management;

Cloud Solutions Engineer

- Experience with AWS Network topologies, VPCs, Security Groups & ACLs
- Experience with automation and managing infrastructure as code : Terraform / Ansible
- Experience configuring systems monitoring, alerts thresholds
- Comfortable with fast-paced, iterative, agile design cycles
- Experience in Apache Cassandra / Spark
- Experience in Hadoop ecosystem and tools
- Strong troubleshooting skills
- Strong communication skills and the ability to work across engineering teams
- Ability to prioritize tasks and work independently
- Excellent self-study ability
- Highly professional, self-motivated and self-managed individual
- Experience with semiconductor is a big plus.