# SIVA PANDETI

703-937-7731
psivah@gmail.com

**Profile**

Senior data engineer with over a decade experience in building modern cloud data platforms that enable data driven decision making and uncovering value in data

**Skills summary**

Big Data • Cloud Computing • Data Infrastructure • Data Analytics • Python • Spark • Presto • Hive • Airflow • SQL • Tableau • Looker • Amazon Web Services • Azure • GCP • Terraform • CloudFormation • Kinesis • Kafka • DynamoDB • RedShift • ElastiCache • Datadog • CI/CD

**Education**

Master of Science, University of Maryland, College Park, MD
Bachelor of Technology, IIT Madras, India

**Experience**

### Senior Data Engineer, Nextdoor, San Francisco, CA – 2015-Present

Nextdoor is a private social network for neighborhoods. To understand and manage growth of the user base as well as increase engagement of the users, it is essential to have clean and enriched data in the data warehouse.

• Built data lake in AWS with data extracted, transformed and loaded (ETL) from various sources including Postgres Databases, realtime clickstream data, third party sources
• Built robust data pipelines using Spark, Hive, Presto, Python, Kafka to ingest, transform and aggregate and load into downstream tables for data analysis and reporting needs for marketing, ads, finance, product decisions
• Deployed cloud resources including S3 buckets, IAM roles, Databases, Compute clusters, etc as IaaS using CloudFormation and Terraform
• Migrated Hive, Presto jobs to pyspark pipelines running on Databricks
• Created monitoring dashboards and set up alerts using Datadog to monitor the hundreds of data pipelines and underlying cloud resources
• Created job orchestrations in Python/Airflow. Used AWS EC2 Container Service to run Airflow.
• Created visualizations using Looker

### Senior Data Engineer, Netflix, Los Gatos, CA – 2014-2015

Data driven decision making is at the core of Netflix. Business intelligence and data science on top of petabyte scale warehouse in AWS are inextricable part of the company's objectives to acquire and retain millions of customers worldwide. I was instrumental in:
• Creating data pipelines using Hive, Sqoop and python to load data from Oracle, Cassandra, and application logs.
• Cleaning, transforming, joining, aggregating data and loading into data lake
• Migrating existing pipelines from data center to AWS
• Creating common platform tools to speed up building new pipelines

### Solution Architect, Fannie Mae, Washington, DC – 2010-2014

Being the biggest player in the secondary mortgage industry and the backbone to US housing industry, having a robust home pricing model is the key to manage risk and maintain liquidity. One key component was to reduce the fraud in home appraisal process.

• Defined future state enterprise data architecture that included Data Integration, Data Quality, Master Data Management, Metadata Management
• Worked with business users to identify opportunities for Big Data implementation and proposing solutions to increase business value of the data and analytics
• Architected and implemented big data solution for fraud detection in loan origination
• Collaborated and built relationships with business users and various support teams to deliver on cross functional enterprise initiatives
• Lead many infrastructure projects including disaster recovery planning , data center move and modernization, server and application consolidation, capacity and demand management
• Created new frameworks, architecture diagrams and communicated with various stake holders
• Lead code reviews, mentored junior developers on best practices

### Senior Data Engineer, Fannie Mae, Washington, DC – 2006-2009

Lead a team that built large-scale data warehouse and BI layer. It helped the company to have a near real-time view of the asset and liability portfolio. This in turn enabled the executives to make better and faster business decisions.
• Designed and built mission critical ETL pipelines to integrate data from various source systems into enterprise data warehouse and business intelligence platform that was mission critical to financial reporting and company operations
• Streamlined and automated many processes to improve development agility
• Built production monitoring and alerting systems to detect issues and inefficiencies. Analyzed complex production issues, identified root causes and provided solutions
• Defined standards, best practices and design patterns to make the applications efficient, scalable and easily maintainable
• Consistently got recognized by the management and customers for exceeding expectations

### Senior ETL Consultant, Southwest Airlines, Dallas, TX – 2005-2006

Built enterprise data warehouse to improve analytics on pricing, sales, marketing and productivity. It enabled the company to get better insight into customer travelling patterns which in turn lead to better ticket pricing and increased sales. It also provide insight into inefficiencies in airline operations which was useful in contract negotiations and increased profitability.

### ETL Consultant, AMD, Austin, TX – 2004-2005

Built data warehouse for a new chip manufacturing plant to capture machine sensor data. It was very instrumental in predicting machine and process failures. This helped in reducing in defective chip output and increasing yield and profit margins.

**Certifications**

AWS Certified Solutions Architect – Professional
Cloudera Certified Developer for Apache Hadoop
Cloudera Certified Specialist in Apache HBase

# Sivasankar Pandeti

- Ashburn, VA, US

## Contact Information

- llz-yb0-lzj@mail.dice.com

## Summary

I am a seasoned data professional. I enable data driven decision making in all aspects of business. I create data products. I look for the needle in the humongous haystack of data. I love leveraging technology to help masses. Expertise: Data Strategy Data Architecture Big Data Cloud Computing Business Intelligence Full Stack Application Development Startups https:medium.com@psivah

## Work History

**Total Work Experience: 20 years**

- **Solution Architect Fannie Mae**
  Jan 01, 2010

- **Senior Data Engineer Fannie Mae**
  Jan 01, 2006

- **Senior Etl Consultant Southwest Airlines**
  Jan 01, 2005

- **Etl Consultant Amd**
  Jan 01, 2004

- **Senior Data Engineer Nextdoor**

- **Senior Data Engineer Netflix**

# Education

- **Bachelors** | Indian Institute Of Technology

- **Bachelors** | Indian Institute Of Technology, Madras

- **Masters** | University Of Maryland

- **Bachelors** | Indian Institute Of Technology, Madras

- **Masters** | University Of Maryland

# Skills

- **ab initio**
- **agile methodologies**
- **airflow**
- **amazon dynamodb**
- **amazon rds**
- **amazon redshift**
- **apache pig**
- **artificial intelligence**
- **autosys**
- **big data**
- **business intelligence**
- **business objects**
- **data integration**
- **data modeling**
- **data warehousing**
- **distributed systems**
- **django**
- **docker**
- **google cloud platform**
- **hadoop**
- **hbase**
- **hive**

- **java**
- **javascript**
- **jquery**
- **leadership**
- **machine learning**
- **management**
- **mysql**
- **oracle**
- **presto**
- **project management**
- **r**
- **rabbitmq**
- **ruby on rails**
- **sdlc**
- **six sigma**
- **sql**
- **sqoop**
- **swift**
- **tableau**
- **unix shell scripting**
- **data warehouse** - 14 years
- **etl** - 14 years
- **data engineering** - 13 years
- **monitoring** - 12 years
- **real-time** - 12 years
- **reporting** - 12 years
- **amazon web services** - 11 years
- **apache hive** - 10 years
- **marketing** - 10 years
- **python** - 10 years
- **amazon ec2** - 9 years
- **amazon s3** - 9 years
- **apache kafka** - 9 years
- **apache spark** - 9 years
- **cloud** - 9 years
- **cluster** - 9 years
- **data analysis** - 9 years
- **database** - 9 years
- **iaas** - 9 years
- **postgresql** - 9 years

# Work Preferences

- Desired Work Settings: Remote or On-Site or Hybrid

- Likely to Switch: True
- Willing to Relocate: False
- Work Authorization:
  - US
- Work Documents:
  - US Citizen
- Security Clearance: False
- Third Party: False
- Employment Type:
  - Full-time
  - Part-time
  - Contract - Corp-to-Corp
  - Contract - Independent
  - Contract - W2
  - Contract to Hire - Corp-to-Corp

## Profile Sources

- klout: https://klout.com/sivapandeti
- linkedin: https://linkedin.com/in/siva-pandeti-5534636
- gravatar: https://gravatar.com/psivah
- angel: https://angel.co/siva-pandeti
- twitter: https://twitter.com/sivapandeti
- github: https://github.com/sivapandeti
- linkedin: https://linkedin.com/in/sivapandeti
- Dice: https://www.dice.com/employer/talent/profile/0db9f1a51e17d4cfb605e2549f3dcbd9