Alexandar S. Narayan

Data Engineer

PROFILE

Name:
Alexandar S. Narayan

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Website:
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SOCIAL

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alexandarnarayan/

SUMMARY STATEMENT

I like data like some people like chocolate or video-games.
I think that a well crafted database schema is one that serves the business best as well as being performant.
I got my start as a database administrator and that's where I found my love of all things SQL including OLTP databases as well as OLAP warehouses. I tend to think in dimensions and facts and enjoy thinking about crafting performant star schema'd data-warehouses.
have worked with Kubernetes as well as Google's GCP most recently with Cloud Functions as well as BigQuery.

EXPERIENCE

DeliveryHero June 2020-Current
Senior Data Engineer

* Seeing many analysts and new junior engineers from other teams **suffering with git I created a training video on git** [youtube-link] fundamentals and presented it internally at trainings I organized increasing productivity of many teams

* Improved Github Actions CI/CD pipelines **reducing testing time from 4 minutes to 55 seconds** by identifying and removing redundant intermediate steps

* **Improved the security** of internal datasets by identifying service accounts from various business units with elevated permissions (e.g roles/bigquery.dataOwner) and moving the service accounts to more appropriate roles such as those with only dataViewer access

* Helped to **reduce the hiring funnel time from 2 months to 3 weeks** by distilling existing take-home assessments for use with online programming proctoring service CoderPad.io

* Assisted in **migrating many large datasets** (>5TB+) **from Redshift into BigQuery leveraging a custom DataHub/DataMesh** solution built around Airflow 2 including translating Redshift User-Defined Functions defined in Python3 to JavaScript for use in BigQuery

* Consulted internally on schema design changes for newly migrated Redshift datasets

* Rewrote foundational DataWarehouse tables that referenced legacy batch sourced data to use data curated from near-realtime streams

* Regularly performed quality assurance on datasets and created dashboards to monitor internal KPIs

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Of late I've been sharpening my skills on all things cloud I have worked with Kubernetes as well as Google's GCP most recently with Cloud Functions as well as BigQuery.

Finleap Connect Oct 2019 - Mar 2020
Site Reliability Engineer
* Retooled and expanded an existing data pipeline to create a reporting layer on BigQuery using PubSub and Cloud Functions improving reporting and time-to-insight from >10 minutes to sub-second and democratizing data access to many more within the company

* Assist developers with moving legacy projects onto Kubernetes by creating and expanding CI/CD pipelines with Gitlab

* Rewrote legacy reporting scripts from Bash into to Python3

Figo GmbH Nov 2018 - Oct 2019
Senior Python Engineer
* Helped migrate monolithic Python 2.7 API onto Kubernetes

* Vetted a number of K8s compliant databases (for use on-premises due to regulatory requirements) ultimately choosing CockroachDB (akin to Google Cloud Spanner) to replace aging MySQL 5.7 instances. No longer having to fight MySQL replication **saved** 2 engineers worth of time every 2-weeks

* Improved read performance of customer databases by introducing maintenance best practices for SQLite including regular VACCUM intervals and schema improvements

* Assisted in the migration of 1TB+ MySQL 5.7 database onto CocroachDB creating all the tools and scripting necessary

* Created and delivered services in Golang 1.13

Corvel Corporation Sep 2017 - Apr 2018
Data Warehouse Developer
* Maintained staging tables and assisted in maintaining change-data-capture services

* Collaborated in schema design

Corvel Corporation Aug 2013 - Sep 2017
Database Administrator
* **Deployed** database schema **changes to 20+ databases across 3 environments**

* Wrote a tool to **reduce** table replication setup time **from hours to seconds** in Python and then in C# using WPF

* Setup and secured new MSSQL instances on demand

EDUCATION

2009-2013   BSc. Financial Economics
               Brigham Young University - Idaho

SKILLS

AWS/GCP	●●●●●●●○○○	Linux	●●●●●●●●○○
Kubernetes	●●●●●●●●●○	Golang	●●●●○
SQL	●●●●●●●●●○	MSSQL Server	●●●●●●●●●○
Star Schema	●●●●●●●●○○	Spark/PySpark	●●●●●●●○○○
Python	●●●●●●●●○○		
Git	●●●●●●●●○○		

REFERENCES

Available upon request