ELDHOSE JOHN K

DATA SPECIALIST

CONTACT

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SKILLS

- Python, SQL
- Data Warehousing, Data Analytics, Data Modeling
- Google BigQuery, Amazon Redshift
- Looker, Looker Studio, Tableau
- Airflow

EDUCATION

Mahatma Gandhi University

Mar Athansius College of Engineering

Bachelors in Technology - Computer Science

2003 - 2008

PROFILE

An engineer with business acumen carrying an experience of 15 years in software industry, proficient in data warehousing, data transformation, data modeling and data reporting; passionate about helping companies dive deep into data.

WORK EXPERIENCE

Good Glamm Group
Senior Data Engineer

Feb 2022 - Mar 2024

- **Data Modeling**: Dimensional data modeling of order, product, user facts table; used by data analysts, data scientists and product managers to base their reports.
- **Cost Optimisation**: Able to reduce and keep Google BigQuery monthly datawarehousing costs under control, a reduction of 70% in costs, from ₹1M to ₹300K
- **Data Pipelines**: Develop data pipelines using Apache Airflow, Google Cloud functions, Google SQL scheduler and StitchData from data sources like MongoDB, WebEngage, Branch, Adobe Analytics and Supply chain services.
- **Custom ETL** : Develop, deploy and maintain ETL code using Python & SQL
- **Data Visualisations**: Develop Looker Studio dashboards for core teams like Supply Chain, Marketing, Sales, Logistics, Seller platforms etc which give significant insights and cost savings for business.
- **Data warehousing:** data-warehousing operations of the group companies under Good Glamm, with BigQuery as the primary data-warehouse.
- **Data Transfer Optimization**: Develop and maintain a module to reduce the bytes processed when loading large MongoDB tables to Google BigQuery.
- **Data snapshot**: Developed historical and daily snaps of product pricing dashboard, which give significant insights into product level stock performance.
- **Sales dashboard**: Developed a system for supply chain performance; build modules which reports sales from different sources like B2C, B2B, Market place, offline, retail stores etc; setup pipelines and ETL data from various service platforms like MongoDB, Delhivery, Ginesys, Easycom and Vine Retail.

SpringWorks
Senior Software Engineer, Data

Jul 2017 - Apr 2020

- **Media Source Performance**: Developed a reporting system for a million dollar ad campaign that can recommend ad performance.
- **Web & Mobile tracking** : Developed a device tracking system on top of Firebase and Google Analytics to track user events in the mobile and the web app.
- **Dataduct migration**: Customized and migrated AWS Data Pipeline wrapper sdk to Python 3.

PERSONAL

Date of birth: 15/10/1984

Sex: Male

Marital Status: Married

Nationality: Indian

LANGUAGES

- English (Fluent)
- Malayalam (Fluent)
- Hindi (Intermediate)

CONNECT

in www.linkedin.com/in/eldho

www.github.com/eldhosejohn

- **Data-warehousing & ETL**: Setup, schema design and management of Amazon Redshift and Google BigQuery. Responsible for the entire data architecture and end to end data operations; includes sources like MongoDB, mobile apps and third party tools.
- **Data utility library**: Developed utility library in Python with reusable code to fasten the development process.
- **Data Dashboards**: Built Tableau dashboards to identify potential customer drop off from various order funnels and built various strategies (A/B testing etc) to reduce the drop off percentage.

Science Media   Jan 2016 - July 2017
Senior Software Engineer, Data

- **Data warehousing:** Setup, schema design and management of Amazon Redshift; data imports from S3, RDS & DynamoDB.
- **Kinesis Firehose** : Setup, design and management of Kinesis Firehose. Built a custom project to automate Firehose operations.
- **Integration of Dataduct into ETL**: Researched and integrated dataduct to ETL process; reduced manual intervention and able to scale to more than 200 pipelines; increased developer productivity and source code management.
- **Data Utility Project**: Built Python package leveraging reusable patterns to increase developer productivity.
- **Warehouse Performance**: Employed various Redshift performance techniques which is able to reduce Redshift servers of dc1.large type from 35 to 27.
- **Redshift Spectrum**: Research and development of Redshift Spectrum and its integration into data warehouse using PARQUET compression technique, able to save 30% of space, helps to reduce the operating costs and frequent upgrades.
- **Campaign ETL**: Built a system to import & ETL advertiser & publisher campaigns every 15 minutes.
- **Data Migration**: Responsible for the schema migration of DynamoDB production database to another, size of terabytes.

Parenthesize Technologies   Sep 2013 - Dec 2015
Senior Software Engineer

- **FrontEnd & BackEnd** development of the mobile advertisement network.
- **Safari Video Player:** Built a Javascript plugin to play video ads on iPhone browser.

Borget Solutions   May 2010 - Aug 2013
Senior Software Engineer

- Founding engineer for products - 3Crumbs & JustMigrate

Authentic Kerala   Jun 2008 - Apr 2010
Founder & Principal Engineer

- As a founder, I was responsible for the product conception, research, development & marketing of the product. The platform is meant to connect between potential travellers with travel operators.

Bayone Infotech   Sep 2007 - May 2008
Software Engineer

- Research and development of XMPP based messaging system