Vivekanandan Manokaran

Member of Technical Staff 1, Software Engineer - PayPal Inc.

Accomplished **Lead Data Engineer** with **10 years** of data engineering, data warehouse/business intelligence experience having worked across architecture, development and operational functions delivering various end-end data engineering solutions for **PayPal's** Payments Data & Engineering Quality & Accounting/Finance organization & **Bank of New York Mellon's** Pershing Netx360 product.

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WORK EXPERIENCE

MTS 1, Software Engineer (Payments Data & Engineering Quality)
PayPal Inc.

10/2016 - Present   *San Jose, California, United States*

Responsibilities

- Developed various **Data Loading / ETL and SQL** automations with Python/Shell Scripting for PayPal's **Standard Transaction Model** (STM) - also known as the **PayPal's Federated Payments System of Records (SOR)**.

- Developed various **data loading solutions** for PayPal's Financial Operations (**FinOps**) domain and transformed data for **Accounting/Finance Reconciliations**

- Developed various system automations (with Python and SQL) for various monitoring/detection requirements for **Payments Operations**

- Strong expertise over large scale data processing for PayPal's **payments platform** and a SME for critical data integrations/transformations **between PayPal's Payments Platform and PayPal's Accounting/Finance** data layers.

- Developed various **Tableau dashboards** to present various PayPal's KPIs including **STP** (Straight Through Processing), **TPV** (Total Payments Volume) and **Customer Liability Ledger Balances** and other quality related KPIs such as BIR (Bug Intro Rates), MTTA/MTTR (Median Time To Ack./Median Time To Resolve), OOL, SLAs etc.

- **Technical Lead** for a team of junior data engineers providing technical design and development guidance for PayPal's Payments Data engineering's quality and operational deliverables.

- Developed **ETL (Informatica), Advanced SQL (Oracle, Teradata)** based data loading solutions.

- Strong working expertise on **Data & Transactional Analysis Activities**, **Bug/Incident Management** Activities.

- Informal people management experience gained through effort tracking, curating and reviewing deliveries of the team members.

TECHNICAL SKILLS

ETL/SQL   Python   Tableau   Teradata/Oracle

OLAP/DBMS   Running The Business - RTB

Data Operations   FinTech   Payments Operations

Fin-Recon   Stored Value   Ledger Balances

Operational Productivity   System Automations

Engineering Quality   Payments KPI (TPV, STP, NNA)

CERTIFICATES

Harvard: "FinTech" (01/2022 - 03/2022)
Completed an online certification program from HarvardX on the FinTech with a successful completion of all modules with an overall grade of 88% across 6 modules that includes a final capstone presentation.

UC Berkeley: "Data Science: Bridging Principles and Practice" (03/2022 - 05/2022)
Completed a certificate program on "Data Science, Machine Learning & Statistics" which involves using Python and Tableau with a final capstone project.

PayPal: "Emerging Leadership Program" (04/2022 - Present)
PayPal's most coveted people management and leadership training program targeted for highly qualified people managers and tech leads

HONOR AWARDS

Key Talent Award (2020)
PayPal Inc.
- This is awarded to the top 5-10% of the highly skilled technical leads/engineers within PayPal every year with a huge one-time monetary/RSU benefit

Spot Award - Improved Data Load Time by 5x (2017)
PayPal Inc.
- This was awarded by the PayPal's Payments Senior Leadership to recognize my efforts on improving the data loading runtimes by 5x.

Spot Award - Resolving PayPal's ~220 Million USD Customer Liability Issues (2021)
PayPal Inc.
- I was recognized with a huge one-time monetary remuneration for my efforts in resolving a 3+ years old ledger balance issues with a comment of recognition by PayPal's CTO

WORK EXPERIENCE

Senior Software Engineer (consultant with PayPal)
Altimetrik India Private Limited

11/2014 - 10/2016   *Chennai, India*

Responsibilites

- Responsible for ETL/SQL end-end data engineering solutions development/operations.
- Strong expertise on **Running The Business** activities.
- Delivered customized and on-demand data engineering solutions for the reconciliation purposes.
- Developed solutions with ETL, SQL (Oracle & Teradata), Tableau, Python & Bash Shell.

Applications Developer
The Bank of New York Mellon

06/2012 - 10/2014   *Pune, India*

Worked for BNYM's Stock Trading Platform - Netx360.com

Responsibilities

- Developed various for **ETL/SQL and reporting (webfocus)** solutions for Netx360.com product
- Worked with **Core Java** and developed J2EE based web applications.
- Developed various reporting scorecards for KPI and Quality measurement purposes such as Executive Summary, Service Level Management, IBD Productivity Reports etc.

EDUCATION

Bachelors of Engineering, Computer Science and Engineering
Anna University, Chennai (Bannari Amman Institute of Technology)

06/2008 - 05/2012   *Erode, Tamil Nadu, India*

CONFERENCES

Curator & Licensee, TEDxTirupur (2011)
Independently organized TED Conferences

- https://www.ted.com/tedx/events/1833

Chief Organizer, Bloggers Meet @ Coimbatore (2010)
Coimbatore's 1st Bloggers Meet

- http://bloggersmeet-cbe.blogspot.com/

INTERESTS

Video Gaming/PS4   Movies   Board Games

Wordle

HONOR AWARDS

21 Other Bravos & Other Spot Awards...
PayPal Inc.

LANGUAGES

English
Full Professional Proficiency

Tamil
Native or Bilingual Proficiency