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## VISIONARY BIG DATA ENGINEER – embracing the power of change and technology to create value and shared success for clients and business leaders

### PROFILE SYNOPSIS

- \* Certified in python, with deep understanding of **game-changing technology, products and services**, especially ETL tools and experiences.
- \* Reflects dexterity at analysing data to discover opportunities and address gaps while working on cloud or on-prem Big Data platform.
- \* Possesses an ability to process large amounts of structured and unstructured data, including integrating data from multiple sources.
- \* Comprehends product development lifecycle and bestows technical expertise with unerring troubleshoot process for post-production.
- \* Prospers technical solutions for process ease through RPA, eventuating in increased operational efficiency.
- \* Exhibits rectitude while managing stakeholders, clients, vendors and compeers.

### CAREER OUTLINE

**Senior Data Engineer** | [Visa Inc](#) | Bangalore, India | June 2019 – Present

Growth Path: **Software Engineer** (June 2019 – Jan. 2021) ⇒ **Data Engineer** (Jan 2021 – Aug 2021) ⇒ **Senior Data Engineer** (Aug 2021 – Present)

#### Key Highlights:

- \* Employed Apache Spark, enabling real-time analytics for better user experience
- \* Improved performance scripts by **100x** by architecting outright CI/CD pipelines
- \* Architected proof of concept (POC) for processing petabytes of data in near real-time
- \* Retrenched laborious and time-consuming data pipelines from days to minutes while economizing millions of dollars
- \* Acknowledged as employee of the month twice in timeframe of 24 months
- \* Swept the board of **Global Blockchain Hackathon** and runner of **Capture the Flag Event**; secured 3rd position in Capture the Flag Ethical Hacking Event conducted at site level by VISA Inc
- \* **Received simplifier award** across global corporate IT employees for simplifying big data processing

#### Key Deliverables:

##### As Senior Data Engineer

- Research, evaluate and utilize new technologies/tools/frameworks centred around high-volume data processing
- Work with architecture engineering leads to determine and ensure quality solutions are implemented and engineering standard methodologies adhered to
- Build and ship data production pipelines sourcing data from a diverse array of sources
- Troubleshoot and debug any ecosystem run time issues while working with cross-functional teams to resolve operational inefficiencies
- Seek complex data issues and perform root cause analysis and drive a culture of collaborative reviews of designs, code and test plans

##### As Data Engineer

- Built and managed data pipelines, databases and large-scale processing systems
- Provided the data and systems used by the Data Analysts and Data Scientists
- Researched new and evolving technologies and developed prototypes
- Ensured code quality through code reviews, thorough unit tests, and collaboration with QA teams
- Investigated and resolved data discrepancies by performing root cause analysis

##### As Software Engineer

- Built core engineering infrastructure, including new product features and enhancements
- Partnered closely with security team for code analysis and design reviews; performed unit testing, processed bug reports and released fixes
- Worked closely across different business functions, incorporating data from operations, sales, and account management teams in order to craft elegant solutions to the most pressing challenges
- Advocated for applying best practices when it comes to availability, scalability, operational excellence, and cost management

**An ardent Senior Data Engineer** aggrandizing Big Data Ownership with technical prowess of software engineering across Business & Finance domain. Worked with **colossal tech brands including Visa Inc.**, now aiming for a more challenging role across multinational conglomerates

### CORE COMPETENCIES

- Software Development Lifecycle
- Project Management
- Product Development
- Automation & Virtualization
- Service Delivery Excellence
- Quality Management
- Performance Monitoring & Troubleshooting
- Root Cause Analysis
- Reporting & Documentation
- Technical Analysis
- Business Intelligence
- Data Warehousing
- Stakeholder Management
- Cross functional Team Leadership

### ACADEMIC CREDENTIALS

- **Master of Technology – Electrical Engineering** | Indian Institute of Technology, Madras | 2019
- **Bachelor of Technology – Electrical Engineering** | Indian Institute of Technology, Madras | 2018

#### Certifications

- **Applied Machinery Learning in Python-** Coursera
- **Applied Social Network Analysis in Python** – Coursera
- **Applied Text Mining in Python-** Coursera
- **Introduction to Data Science in Python-** Coursera
- **Programming, data structures and Algorithms using Pythons** | Sep 2018

### TECHNICAL PURVIEW

Big Data Analytics, Spark, Hive, Hadoop, MapReduce, Python, Node.js, Docker, Vue.js, C, C++, Selenium, ELK, MySQL, Java, AWS, OCI, GCP, Nginx, MongoDB, AWS, Raspberry Pi, Reverse Engineering, Google Data Studio, Power BI, Full Stack Development, CI/CD, Git

**Professional Freelancer** | [Freelancer.com](https://www.freelancer.com) | Aug 2015 – Apr 2019

**Key Highlights:**

- \* Worked on revolutionary projects and handled the vulnerabilities with CSAT score of 99%
- ✓ **Cryptocurrency Trading Automation Project (May 2017):** Spearheaded the inclining phase of cryptocurrencies through scripts in python for trading real-time while collaborating with stockbrokers
- ✓ **Fun Automating Projects (Jan 2018):** Worked on several projects eccentric to automation including movie and railway ticket bookings, online quiz bots, etc.; successfully reverse engineered for OTT platforms to reduce the intricacies
- ✓ **Streaming Services-Reverse Engineering Project (Aug 2019 – Nov 2019):** Created a simple Android TV App using leanback support and open source exoplayer, packed with diverse content from top streaming services into a single app for unmarketable use
- ✓ **FFT Design Optimization Project (Jul 2018-Jul 2019):** ideated 4 different FFT designs and implemented in FPGA, optimizing on various resource usages like LUTs, Power, etc.
- ✓ **FFT Design Optimization Project (Jul 2015 – Aug 2015):** structured a conversation machine with merlin Microsoft agent by using simple vb script integrated with Google speech to text, Mathematica wolfram alpha and IBM Watson text to speech
- ✓ **BookMyShow Automation Project (Aug 2014):** reverse engineered BookMyshow Mobile app by monitoring the traffic using Fiddler reverse proxy, and built a simple python script using requests to simulate a user and book ticket automatically

**Key Deliverables:**

- Proved quality work with hardware such as Arduino, Raspberry Pi and custom microcontrollers
- Collaborated with Interactive services manger to scope out, develop and deploy technical solutions
- Debugged application procedures and reduced performance-related problems
- Coordinated with UX/UI designers, frontend developers, interactive services manager, account management and clients to deliver products on-time

**Software Engineer Intern** | Visa Inc | Bangalore, India | May 2018 – Jul 2018

**Key Highlights:**

- \* Engaged with data visualization technologies including but not limited to Denedo
- \* Concocted log analytics engine with ELK stack aligned with Apache Kafka for recognizing ambiguity

**Key Deliverables:**

- Produced high quality software that is unit tested, code reviewed, while keeping check on continuous integration
- Worked closely with the mentor and team as well as collaborated with other engineers, product managers, designers, and QA to design features and break down high-level goals into tasks and timelines

**Software Engineer Intern** | Visa Inc | Bangalore, India | May 2017 – Jul 2017

**Key Highlights:**

- \* Developed an existing application for multi-language support by utilizing Django and Google translation services
- \* Polished hands on experience on advanced technologies like Kubernetes and Docker

**Key Deliverables:**

- Showcased active involvement throughout the product lifecycle - from idea generation, design, and prototyping to execution and shipping while also being paired with a mentor dedicated to the growth and success
- Collaborated closely with technical and non-technical counterparts to understand the customers' problems
- Worked on multiple in-house and client projects targeting to resolve customer issues

**Full Stack Developer** | Little Green Men Technologies Pvt Ltd. | Pune, India | Sep 2016 – Apr 2017

**Key Highlights:**

- \* Ideated, designed and built a human 3D scanner from scratch with employment of Raspberry pi and DSLR
- \* Structured an automated 3D scanner using 3D modelling to G Suite culminating in world's best scanner with respect to resolution quality

**Key Deliverables:**

- Took full ownership and responsibility for building, shipping, and maintaining throughout core Air table features
- Developed on cloud-based systems using modern technologies including, but not limited to, C#, ASP.NET MVC, Node.js, and PHP
- Architected complex new systems, focusing not only on performance and scalability, but also on crafting a beautiful user experience
- Participated in a small team environment to implement any modifications to support a fast-growing business
- Kept abreast with the latest technologies and found opportunities to implement them into Little Gren Men's technology solutions

## PUBLICATIONS

**Offline Mobile Pay at POS**

[https://www.tdcommons.org/dpubs\\_series/3754](https://www.tdcommons.org/dpubs_series/3754)

- \* Architected a secure protocol for offline communication between mobile and POS terminal based on ISO 8583 message format using HMAC.