

# Harmanjeet Singh Nagi

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**About** - Engineering Manager with a knack for building and scaling highly productive teams and systems. I'm passionate about open source, developer experience, systems engineering, reducing inequality in technology and making information accessible with data-driven explanations

## Experience

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### Majid Al Futtaim

Dubai, UAE

#### Engineering Manager - Data and Technology

Sep 2021 - Present

- Employ product and data knowledge to design & implement 2 commercial data-intensive products with MRR USD 400K and monthly ARPA of USD 300K in marketing domain
- Leading a talented team of 35 engineers to self-organize, own and implement an active product roadmap. Ran a Spotify-inspired agile model to arrange team in tribe and squads - 2 squads building a solutions and 3rd squad implementing a commercial bought software
- Become the bridge between BD/Sales and PDT team to translate requirements into solutions; created a culture of writing technical design docs (called ADR) and drive implementation within reasonable milestones
- Balance product delivery with sustaining engineering to ensure code can be maintained over time and iterations. Invested ~30% average bandwidth on reducing technical debt and improving scalability
- Be a proponent of open source solutions and convince team to employ learning and practices on observability, orchestration, documentation and security to promote organization culture. Conducted 20+ architecture review and actively participated in >70 hiring discussions over last year

### Lead Data Engineer

Jun 2019 - Sep 2021

- Started as an individual contributor to handle central data infrastructure for MAF i.e. integration with 30+ source/sink, data observability and managing databases, data-lake, reporting and event-bus infrastructure
- Built a team of 8 talented data engineers over 2 years to create Data Engineering and Operations team backing up the data operations required for flagship programs run by MAF
- Built an internal product for hyper-parameterized audience selection as an extension to bring intelligence to marketing platform. Product had a 3 month build phase and was adopted widely with 50+ MAU influencing all marketing campaigns (email, SMS and push notifications)

### Mu Sigma Inc.

Bangalore, India

#### Decision Scientist, Apprentice Leader

May 2015 - Jun 2019

- For leading US Airline, optimized recommender system to create a 30% significant lift in yearly revenue. Worked on reverse engineering performance of real-time recommendations (based on Oracle RTD) used for airlines check-in process
- For leading UK retailer, built data and platform infrastructure for retail pricing and inventory management.
- For MAF, built backend and data pipelines for internal employee application serving 46K employees with 150+ MAUs
- For MAF, built a configuration based framework for to run data integration and ETL tasks. Enabled 140+ data pipelines from 15 varied data sources to enable BI and analytics use cases

## Education

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### PES Institute of Technology

Bangalore, India

Bachelor of Engineering - Electrical and Electronics

Jun 2011 - Jun 2015

## Skills

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- **Domains:** Product Engineering, Agile Product Management, Data Engineering, Machine Learning, Business Intelligence and DevSecOps for Marketing, Digital Advertising, Retail, and Lifestyle business
- **Languages:** Proficient - Shell, Python, SQL; Familiar/Learning - Scala, JavaScript, Typescript, Golang
- **Data Stack:** Postgres, SQLite, Vertica, Elasticsearch, Spark, Delta Lake, Confluent Kafka, Cube.dev, Trino, Airflow, Argo, Superset