## **Copyright: LeoCDP.com LEO CDP for Customer Data Analytics** Author: Nguyễn Tấn Triều (Thomas) Branding, PR Event, Email: trieu@leocdp.com Marketing, Sales, Customer Data Platform for Smart Business Modification Date: Jan 05, 2022 Referral Network (2) Primary Database (1) Data Observer Marketing **Output Data Connector Automation** (Java 8 / Python 3) **Owned Data Hub Platforms ArangoDB** Load Balancer - Ports 80, 443 (HA-Proxy / Nginx / Cloud) dashboard **Web Portals Event Data Tracking** (JavaScript / SDK) **+**○\$ (3) Admin Dashboard **Mobile Apps Profile Tracking** (JavaScript / SDK) **Real-time Data Processor Admin Data API LEO Database TCP Port: 9070** TCP Ports: 9080 **Data Warehouses** TCP Ports: 8600 (VertX Java JDK 8) (VertX Java JDK 8) Input Data Collector (ArangoDB 3.8) (Python / NodeJS) **Databases** DevOps / IT team **Admin Dashboard Batch Data Processor** Message Queue (Javascript + HTML5) TCP Ports: 9085 Redis or Apache Kafka) (VertX Java JDK 8) Marketing & Sales **Analytics Report Target Customers** (Python Streamlit App) (customer networks) Data Analysts (4) Analytics and A.I / Machine Learning Ecosystem **Jupyter Notebooks** (Python 3) Data Scientist Data Lakes **ETL Pipelines With Airflow** (HDFS, AWS S3, (Python 3) Google Storage,...) **Distributed Data Frame (Dask Cluster)** A.I Engineer