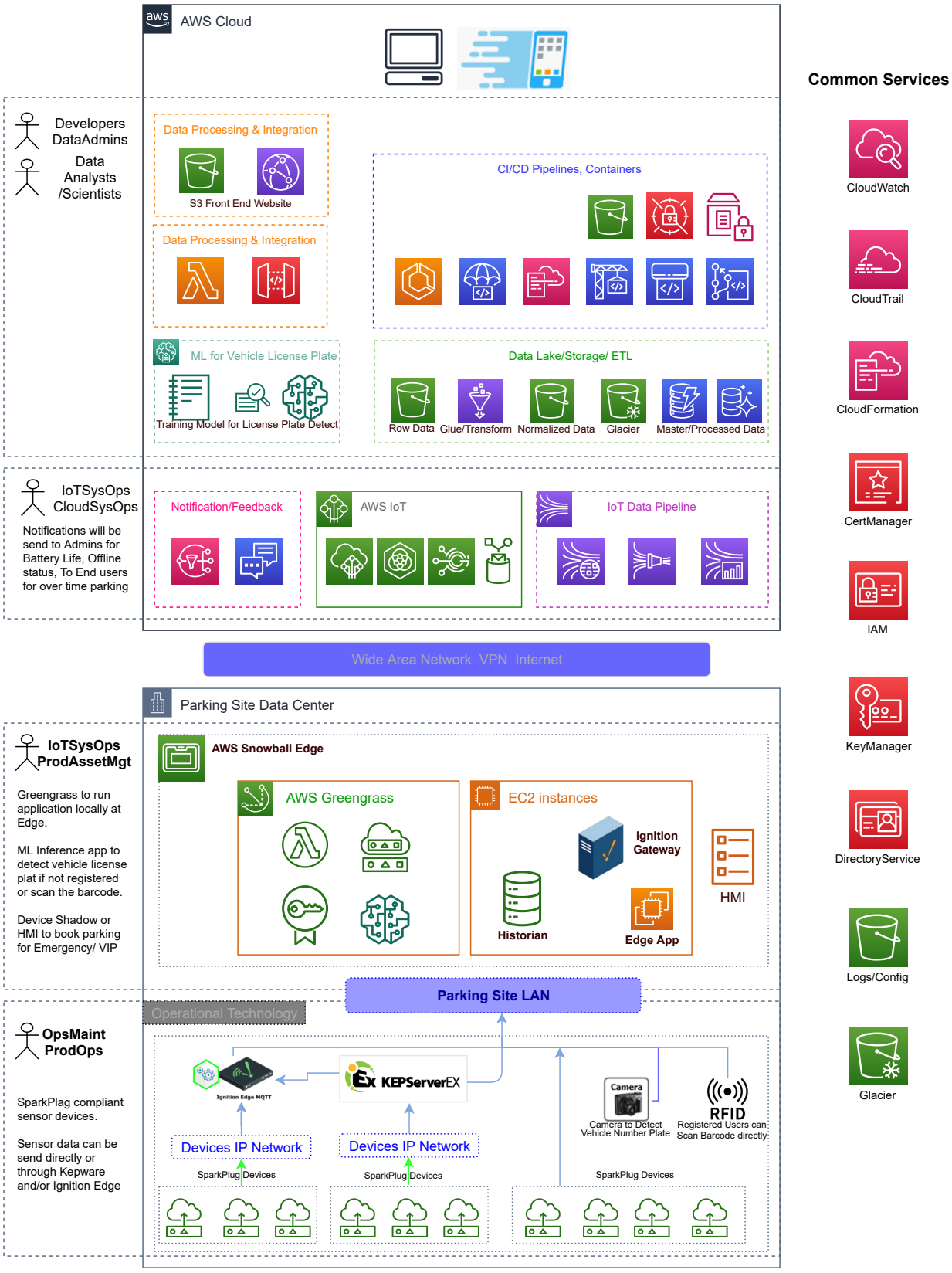
AWS Cloud
Developers
DataAdmins
Data
Analysts
/Scientists
Data Processing & Integration
S3 Front End Website
Data Processing & Integration
CI/CD Pipelines, Containers
ML for Vehicle License Plate
Training Model for License Plate Detect
Data Lake/Storage/ ETL
Row Data
Glue/Transform
Normalized Data
Glacier
Master/Processed Data
IoTSysOps
CloudSysOps
Notifications will be send to Admins for Battery Life, Offline status, To End users for over time parking
Notification/Feedback
AWS IoT
IoT Data Pipeline
Wide Area Network VPN Internet
Parking Site Data Center
IoTSysOps
ProdAssetMgt
Greengrass to run application locally at Edge.
ML Inference app to detect vehicle license plat if not registered or scan the barcode.
Device Shadow or HMI to book parking for Emergency/ VIP
AWS Snowball Edge
AWS Greengrass
EC2 instances
Ignition Gateway
HMI
Historian
Edge App
Parking Site LAN
Operational Technology
OpsMaint
ProdOps
SparkPlag compliant sensor devices.
Sensor data can be send directly or through Kepware and/or Ignition Edge
Ignition Edge MQTT
KEPServerEX
Camera
Camera to Detect Vehicle Number Plate
RFID
Registered Users can Scan Barcode directly
Devices IP Network
Devices IP Network
SparkPlug Devices
SparkPlug Devices
SparkPlug Devices
Common Services
CloudWatch
CloudTrail
CloudFormation
CertManager
IAM
KeyManager
DirectoryService
Logs/Config
Glacier