FIRST LAST

email@example.com · github.com/username

EXPERIENCE

Major Automotive Company Start Date - Present
Data Engineer, Connected Vehicle Data Engineering *[City, State]*

· Implemented connected vehicle telemetry collection by configuring data element definitions and event-based triggers, deploying to production fleets via automated tools, and validating data accuracy using SQL, Kafka, and Databricks.
· Resolved production data collection failures for rental fleet partner (100,000+ vehicles) by implementing direct read method to bypass queue bottleneck, ensuring accurate fuel level and odometer telemetry for billing systems.
· Developed Python ETL pipeline parsing and combining CSV/XML files from Git repository into Databricks tables, enabling PowerBI analytics on production configurations.

Major Automotive Company Start Date - End Date
Software Engineer, Big Data Engineering & Infrastructure *[City, State]*

· Led migration from proprietary SQL workflow interface to open-source alternative, eliminating closed-source dependencies and licensing costs.
· Responded to Log4Shell zero-day vulnerability by developing automated remediation script that scanned and patched production Hadoop clusters, then integrated solution into standard cluster startup process to ensure ongoing protection.
· Contributed internal platform enhancements back to upstream open-source projects, with multiple pull requests accepted into mainline codebases.
· Integrated open-source Hadoop components into custom enterprise Hadoop platform, collaborating with platform engineers to replace vendor solutionand reduce annual licensing costs by $1.2M.
· Built automated Oozie ETL pipeline converting cluster audit logs to Parquet and ingesting into Hive tables, enabling PowerBI analytics for cloud migration planning.
· Automated Docker-based Hadoop development environment, reducing developer setup time from 35+ minutes to 10 minutes by eliminating manual build and deployment steps.

PROJECTS

Marine Research Data Platform

· Built full-stack geospatial web application with Node.js/Express REST API backend and React frontend, enabling scientists to digitize marine mammal stranding records with location tracking, photo uploads, and filterable search.
· Established separate dev/prod environments with CI/CD automation and implemented Git-based code review process to maintain code quality throughout development.
· Mentored next cohort of engineering students on codebase, development practices, and technical implementation.

EDUCATION

University
Bachelor's Degree in Computer Science

SKILLS

Languages: Python, Java, Bash, SQL, JavaScript
Backend & Data: Node.js, Databricks, Azure, Oracle, Hadoop, PowerBI, CI/CD
Development Tools: Git, Docker, Maven, Gradle, RPM, Linux