Joseph Niemiec

Summary

- Big Data Architect focusing on Hadoop and Stream Processing
- Lead Architect for Connected Vehicle and Smart City reference architecture
- Experienced Platform Architect managing 20+ Petabytes across multiple clusters

Major Projects/Accounts

Connected Vehicle Storage & Analytics Platform: Resident Architect for a Big 3 Automotive for 2+ years providing guidance for multiple clusters with over 20+ Petabytes under management. Assisted teams in developing multiple application solutions from deduplication at petabyte scale, methods of meeting legal compliance, operational durability, and general troubleshooting. Facilitated gap analysis between existing solution teams and future use cases to provide engineering direction balancing tactical and strategic needs.

Jaguar Land Rover & GENIVI: Lead Architect for developing a modern connected vehicle streaming framework. The solution integrated with GENIVI infrastructure to allow bi-directional communication with vehicles in the field and handles out-of-order events and schema-on-demand. This allows field devices to change schema's without notifying downstream systems of new elements while guaranteeing only the latest event results are permitted. Demonstrated live using a Jaguar F-Type at the LA Auto Show and the GENIVI All Members Meeting.

Self-Service Streaming Architecture: Architected and implemented a next-generation real time self-service streaming platform. This enables business analysts and developers to peel off select parts of the streaming firehose into on-demand topics to power their real-time analytics and experiments. The flexibility of this streaming system allowed for multiple studies to take place on automotive emissions and driver behavior in real time letting engineers see the impact of their changes as they occur.

Experience

Technical Advisor, Independent Advisor   March 2016 / Present
Performance Sherpa, Sunnyvale CA
- Providing real world experiences to influence product direction
- Identifying best target markets and audiences for initial sales

Sr. Technical Director -- Hortonworks, Santa Clara CA	August 2017 / January 2018
Big Data Systems Architect – Hortonworks, Santa Clara CA	September 2015 / August 2017
Big Data Solution Engineer – Hortonworks, Santa Clara CA	July 2013 / August 2015
Project Engineer- Wipro Technologies, Troy MI	April 2011 / July 2013

Education

Bachelor of Science in Computer Information Systems, DeVry University
Concentration in Information Systems Security
GPA: 3.98 / Dean's List / Summa Cum Laude