

# RYAN ROBITAILLE

**Full Stack Data Expert / Systems Integration Specialist**

[ryan.robitaille@gmail.com](mailto:ryan.robitaille@gmail.com) | <https://ryrob.es/> | CA, Remote | 518-605-4968

**Currently specializing in data-heavy UIs, custom tools, reporting, & high-performance backend delivery services.**

Goal - to build amazing data flow systems & enable users of all skill levels to be empowered equally. Focused on bringing "observability", guided exploration, and "humane usability" to Enterprise Data Organizations. Technology is great - but at the end of the day we need to move the business forward without getting caught in the weeds. I build tools and applications to do just that.

## **Concentrations:**

- Business Intelligence
- Custom Big Data / Analytics Applications
- Data Visualization
- ETL & Custom Data Flow Systems

## **Current top language / application focus:**

SQL (all flavors), Clojure(Script), Clickhouse, Elasticsearch, Postgres, Python, Tableau, MSSQL Stack, Google BigQuery, AirFlow ETL, MQTT, Spark, Azure, AWS, Docker, Functional Programming, Linux

## **Honors / Awards**

### **2 Patents Pending (w Facebook), 2015, 2017**

Ad-Hoc Exploration of a Unified Data Model and using machine learning to suggest appropriate data visualizations based on query shapes as well as historical (org-based) human behavior logs.

### **Tableau 'Zen Master', 2012, 2013, 2014**

Member of the initial group of recognized Tableau Experts (< 10 worldwide at the time), gave talks at the annual conference and was highlighted during the main keynote. Helped shape the direction of the product and engaged with the community.

### **NYS Division of Criminal Justice Award - For "Outstanding Work Product", 2010**

Wrote a backend application that assisted in the arrest of hundreds of dangerous felons across New York State. Presented in a ceremony hosted by our partner agency who assisted the effort across NYC.

### **2018 - mid-2019 Sr Staff Data Lead / Engineering Manager - Tesla**

Worked on a small SWAT-style team that reported directly to Elon - focused on "Growth". Was responsible for the web analytics reporting for the company (GA + BigQuery), the mobile app reward tiers, and community / influencer outreach. Built up a mini-DE environment (consisting of BigQuery, Airflow, Metabase, MSSQL) in order to help us operate independently from IT, allowing us to move faster when needed.

### **2014 - mid-2018 Sr Data Engineer / Data Engineering Manager - Facebook**

Led a mixed Data Eng / SWE team in building several internal data tools for the GMS data org (revolving around "lego" / component-based application building, data visualization, live-coding, and data exploration; 2 patents pending on those works). As an IC - built complex data products for both SMB and GMS Sales Orgs - one of which led to tens of millions of revenue uptick in ad spend for SMB segments.

### **2011 - 2014 Director of Data Services / Senior Solutions Consultant - Linium**

Worked on client projects with many different technologies - in several industries. Projects covering: BI, OLAP, Tableau, SQL Server Reporting Services / Analysis Services, custom built data integration and reporting, proprietary HP enterprise tool implementations, KPI focused dashboards. Internally - growing a BI Business Practice from the ground up based on Tableau & Data Services / Integration offerings.

### **2009 - 2011 Owner (Generalist w Data Specialty) - Ryrobes Consulting**

Freelance consulting for a variety of medium sized online businesses. Mainly focused on reporting and data integration for "growth hacking" purposes (both custom built apps & proprietary tools / apps). Typically including data consolidation, ETL, process automation, and data warehouse creation as well as reporting infrastructure changes.

### **2006 - 2010 IT Specialist 2, Programming - NYS Division of Criminal Justice**

Built custom applications for gathering data and generating reports to fulfill data requests from the public and internal researchers. Migrated legacy mainframe systems into modern DB applications with less headcount needed to maintain. Worked on innovating government data processes in regard to data collection. Helped the 'Office of Justice Statistics and Performance' deliver data faster, with more reliability, accuracy, and less human effort.

### **2004 - 2006 IT Ops / Sys Admin - Colwell and Salmon Communications**

Responsible for keeping internal infrastructure running and growing with business needs. Helped manage / coordinate a support team which included members in both US and India. Maintained / extended a web portal system built to deliver real-time campaign results to market research clients.

### **1999 - 2004 Systems Engineer / Solutions Consultant - eResources**

Maintained internal infrastructure, built a number of in-house applications for operational use, performed in-house IT support and well as on-site client project work when needed (mostly integrations between Oracle and various client legacy systems).