

# Sebastian R Estenssoro

Senior Software Engineer

---

seb.estenssoro@gmail.com | 303.229.9207

<https://www.estenssoros.com>

## EXPERIENCE

### **TWITTER | Senior Software Engineer**

January 2020 - November 2022 | Aspen, CO

- Implemented custom Terraform Providers to facilitate Hybrid Cloud Computing infrastructure at Twitter
- Designed and built Terraform module for private AWS EKS deployment inside of Twitter VPC
- Contributed to the successful evaluation of Golang as the primary non JVM language at Twitter
- Built automation tools in Golang for GitOps and compute infrastructure
- Reduced the time to provision the Terraform Enterprise server infrastructure from 4 hours to 5 minutes
- Led cost-saving initiatives for compute and storage in GCP
- Contributed to Golang Auth add-on tool for AWS EKS

### **SEASPAN CORPORATION | Software Engineer Lead**

April 2017 - January 2020 | Denver, CO

- Created and led a software development team for a multi-billion dollar company
- Championed and implemented Cloud Web Services, Agile Development Team, Data Warehouse, BI Reporting Platforms, Containerization, CI/CD Pipelines, and Serverless Web Applications.
- Created Golang Rest APIs, semi-structured text processors, email notifications, and GraphQL services
- Systematized corporate data through Django Web Admin tool and Kubernetes Airflow

### **EOG RESOURCES | Software Engineer (contract)**

July 2016 – April 2017 | Denver, CO

- Programmed asynchronous data pipelines to move data into a Data Mart from Microsoft SQL, ElasticSearch, OpenTSDB, Postgres, and Oracle.
- Refactored Airflow to allow DAGs to launch from any folder without Webserver and Scheduler overhead
- Authored Django web application to collect offline field data and sync with ElasticSearch
- Refactored Python processes in Golang to improve speed and performance

### **DISH TECHNOLOGIES | Data Scientist / Software Engineer (contract)**

November 2015 – July 2016 | Superior, CO

- Data Scientist/Engineer for a large-scale data migration project
- Programmed Python processes to automate data pipelines in Hadoop and MySQL for ETL, reporting, and analytics. Used Airflow and Bash scripting to streamline and automate
- Experience with Spark, ElasticSearch, Impala, and provisioning a Hadoop Cluster.
- Created asynchronous Python processes that retrieve and process data from FTP sites into HDFS
- Authored TensorFlow Neural Network algorithms to classify image data
- Used Natural Language Processing and Machine Learning to automate data migration
- Developed Django UIs to enable non-programmers to interact with data and streamline processes
- Used statistical techniques to provide insight into data landscape and drive business decisions

## EDUCATION

---

### WASHINGTON UNIVERSITY IN ST LOUIS

B.S. Chemical Engineering  
May 2012 | St. Louis, MO

### GALVANIZE

Data Science Fellow  
Aug, 2016 | Denver, CO

### COURSERA

Machine Learning (Stanford)  
Web Dev with GoLang

## SKILLS

---

### PROGRAMMING

Go • Python  
SQL • Hive  
Shell • React • Vue  
Javascript • C

### TOOLS

Terraform • Docker  
GCP • AWS • Kubernetes  
Airflow • Pandas  
Puppet

### DATA

MySQL • MsSQL  
Postgres • SQLite  
Hadoop • Spark • Big Query  
Mongodb • ElasticSearch  
GraphQL

### DATA SCIENCE

Recommendation Engines  
Natural Language  
Processing  
Random Forest • Regression  
TensorFlow • Neural Nets  
Exploratory Data Analysis  
Data Munging • Statistics

### OTHER

Web Scraping • Automation