

Lawrence Selvy

Senior Engineering Manager

Contact Information

Email:

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LinkedIn:

<https://www.linkedin.com/in/lawrence-selvy-8868ba6/>

Github:

<https://github.com/kcphysics>

Website:

<https://scselvy.com>

Current location:

South Carolina

Education

Kent State University

M.A. - Physics (Nuclear)

Valparaiso University

B.S. - Physics and Mathematics

Languages

Python
Golang
Rust
Ruby/Rails
Javascript/Node.js
Javascript/React.js

Databases

RDS/PostgreSQL/PostGIS
RDS/MySQL/MariaDB
MS SQL
OracleDB
MongoDB/DynamoDB
Redis

Execution Platforms

Docker/Containers
AWS ECS/EKS/Lambda
OracleVM/Solaris Zones
Kubernetes/Helm
Azure

AWS

SQS
SNS
EC2
Lambda
DynamoDB
CloudTrail
GuardDuty
Lex
Cloudwatch

GCP

Pub/Sub
Compute
Audit Logs/Sink

Monitoring Tools

Splunk
Datadog
Sentry
AWS Cloudwatch
Grafana/Prometheus

Mission: A servant leader with over 15 years of engineering experience accelerating technology, teams, and processes. A proven engineer who shows results through visible ROI to the business.

Engineering Manager

Nov 2022 - Current

Red Canary

Remote (Denver, CO)

- Led the development of Cloud and Identity Detection and Response products
- Achieved < \$700k ARR for newly launched CDR Product in less than 12 months
- Directed the development of ingestion systems that process < 10M records/s
- Led, mentored, and advised < 7 engineers
- Worked with SLT and ELT on new initiatives for different product offerings
- Oversaw the addition of Golang to ingestion systems

Engineering Manager

Jan 2022 - Nov 2022

Thrasio, Inc

Remote (Walpole, MA)

- Implemented the Agile Scrum workflow methodology across different teams and increased execution efficiency/resiliency
- Led the development and deployment of an internal Browser Extension and a Chatbot to democratize data
- Decreased costs for several departments by < \$100/day
- Oversaw the team that enabled < \$1M Revenue annually
- Responsible for managing several teams of engineers

Senior System Analyst

Sep 2018 - Jan 2022

BlueCross BlueShield of South Carolina

Columbia, SC

- Set and maintained standards for Python data development in an Ambari (Coursera) Data Lake
- Led the design and implementation of a PySpark processing system for < 500M records for critical workloads
- Responsible for communicating with Stakeholders, Mid Level Leadership, and SLT on key audit requirements
- Introduced automation for evidence creation and handling that saved the company < \$500k annually
- Mentored other engineers in software engineering, Test Driven Development, and Python best practices

Senior Solutions Architect

Sep 2016 - Sep 2018

ThreatQuotient, Inc

Remote (Washington, D.C.)

- Led the development of integrations between third party threat intelligence providers and the Threat Intelligence Platform
- Led the development of integrations with traditional cybersecurity infrastructure for the Threat Intelligence Platform
- Led the development of an integration platform based on NGINX, Docker, MySQL, and Redis that was deployed to customers on premise and in the cloud (AWS/GCP)
- Set development standards for integration engineering and developed a delivery system for customer's worldwide
- Supported customers virtually and on premise in multiple countries
- Developed integrations that helped to create < \$5M ACV from multiple countries
- Mentored other engineers and provided guidance for integration design and implementation

Senior Server Engineer

May 2014 - Sep 2016

BlueCross BlueShield of South Carolina

Columbia, SC

- Responsible for the development, implementation, and operational stability of the automated Linux/UNIX Deployment system for virtual machines
- Responsible for the design and creation of monitoring software to use with Nagios monitoring tool for Linux/UNIX servers/VMs
- Acted as the subject matter expert on Linux/UNIX Operating system maintenance, deployment, and lifecycle
- Responsible for liaising with project management and executive leadership to define and refine requirements for a variety of programs and strategic initiatives

Research Programmer

Mar 2013 - May 2014

University of Notre Dame

Notre Dame, IN

- Worked on a team developing a data warehouse and data display engine to support large scale GIS enabled simulations for the Malaria Transmission Consortium
- Worked independently to design and create a research document repository system leveraging MongoDB and Python
- Acted as subject matter expert on PostgreSQL/PostGIS enabled databases, ensuring multi-continent high availability
- Developed near real-time, data-intensive web applications concerning GIS enabled model output serving a global research community
- Built an ETL system that could ingest, aggregate, store, and recall < 100M rows in seconds