

Summary: Engineering leader with strong systems background experienced in building and scaling teams and processes for delivering performant, observable, scalable, and secure applications. Currently leading a diverse engineering organization with multiple teams researching, developing, shipping, and operating observability-focused products.

Elastic | Ingest Team Lead | November 2017 - Present

Managing teams providing all edge collection, self managed and hosted intake services for all Observability and Security signals. These teams develop OpenTelemetry and Elastic ingestion and processing components, APM Agents, Otel Collector, Synthetics Agent, Profiling Agent and Collector, AWS Lambda Extension, Logstash, and more.

- Unified all ingestion under single organization of 90+ engineering and product management in Jan 2025
- Grew team from 15 to 55+ engineers and hired/developed multiple managers and technical leads
- Established robust process for planning and executing project development for the Observability team
- Worked with product management to develop and refine long term strategic plans, build roadmaps to deliver on those plans, and managed day to day execution on those plans
- Collaborated across Elastic organizations to enhance Elasticsearch and the cloud platform in support of the Elastic Observability offering
- Founded team performing Business Intelligence for Elastic Observability to enable data driven decision making
- Moved into management role in May 2019, Director since November 2020
- Developed collector agent in go to bring Elastic APM to market in 2018

RealScout | Software Engineer / Lead | September 2015 - November 2017

- Implemented AWS Kinesis/Lambda/ECR based MLS import system to replace existing infrastructure, reducing time to integrate MLSES from months to days while improving accuracy, resiliency, and debuggability.
- Standardized development platform using docker containers.
- Parallelized Caffe-based property photo classification system.
- Led team of 4 engineers and data scientists, providing technical guidance and personal mentorship.

Monetate | Various Engineering Roles | May 2012 - September 2015

- Filled developer, operations, and manager roles during tenure
- Founding member of team dedicated to application infrastructure, tools, monitoring, and performance
- Built backend for customer facing ad-hoc analytics platform using Druid.
- Replaced home-grown configuration management and deployment system with one utilizing packer and ansible
- Managed teams of 9 developers within product development team
- Implemented distributed fact collection and processing system, replacing Hive with Amazon Redshift
- Automated build, test, deployment processes increasing confidence in releases.
 - Enhanced homegrown configuration management tools, extensively utilizing AWS apis with boto.
 - Implemented tools for performing differential analysis between deployments.
- Built tools for and performed full-scale testing of seasonal peak load, implemented fixes based on results.

Flickr / Yahoo! | Senior Backend Developer & Operations Engineer | 2005 - 2012

- Overhauled photo storage backend in Java.
 - Updated networking core while preserving client protocol.
 - Eliminated application performance issues related to underlying storage issues.
 - Simplified code, wrote documentation, improved observability compared to the old system.
 - Wrote end-to-end integration tests in Python.
- Redesigned and wrote search feeding system in Java to improve resource utilization, speed, and reliability.
 - Reduced real-time feeding system database queries by 60%.
- Built monitoring and metric collection software to ensure maximum uptime for flickr.com.
- Reduced database logging 1000 qps with spread/apr streaming log consumer of real-time Flickr API usage.
- Automated deployment, taking bare metal to serving applications for thousands of machines.

Various Software Development Positions with Accenture and Comcast | 2001-2005