

Daniel Scrivano

I'm a long time Linux enthusiast that has been coding for the slight majority of my existence. I gravitate towards debugging and profiling incidents and distributed systems. I enjoy refactoring code and ponder how to better communicate through software.

SKILLS

Languages: Golang, Python (competent), Bash (competent)

Operating Systems: Fedora / Red Hat & CoreOS, Debian / Ubuntu, Arch Linux

Databases: PostgreSQL, MySQL, SQLite, Redis / Valkey

Networking: HTTP, gRPC, NFS, Wireguard, Wireshark, Tcpdump, Nmap, VLAN

DevOps: Terraform, Kubernetes, Ansible, Vagrant, Vim

Virtualization: Libvirt, Qemu, Podman, Docker

EXPERIENCE

Hayden AI, San Francisco – Senior Software Engineer

OCTOBER 2023 – PRESENT

- Debugged Golang memory leaks, deadlocks, and network errors.
- Refactored to improve database performance and prevent Postgres crashes.
- Worked on data pipelines, added and improved many cron jobs.
- Improved cpu scheduling by tuning k8s cpu requests and limits; verified by profiling across services.
- Worked on improving the developer experience.
- Deleted lots of code.

DroneUp, Remote – Senior Software Engineer

AUGUST 2022 – JUNE 2023

- Built a Go backend using gRPC, MQTT, PostgreSQL, Kubernetes, and Terraform to coordinate drone deliveries.
- Provisioned VerneMQ, Grafana, Prometheus, and Wireguard on GCP Cloud Compute machines.

Revvable, San Francisco – Senior Software Engineer

JULY 2021 – AUGUST 2022

- Cranked out gRPC apis and sql queries in Go.
- Used Terraform to set up a new architecture.
- Wrote bash scripts to glue together build and deploy pipelines.

EasyPost, San Francisco – *Senior Software Engineer*

MAY 2017 – AUGUST 2020

- Wrote a concurrent connection pooling beankstalkd worker pool library.
- Rewrote the USPS rating engine and APF parser for rules/price changes.
- Replaced a failing Ruby tracking service with one written in Go.
- Designed an eventually consistent service that allowed engineers to safely expose service level configurations as json through an editable admin web interface.
- Automated operational processes in a rapidly evolving environment.
- Optimized the performance of several web services; concurrency to sql.

Memebox, San Francisco – *Senior Software Engineer*

JULY 2015 – APRIL 2017

- Designed and led the development of an e-commerce platform written in Go and AngularJS.
- Developed a simple concurrent in-memory cache library.
- Designed the AWS infrastructure, including VPCs, VPNs, production and development environments.
- Provisioned all virtual machines using Ansible.
- Migrated platforms and data centers.
- Survived two Black Fridays.
- Provisioned a cluster of Elasticsearch, Logstash, and Kibana machines.
- Optimized PHP-FPM and Nginx resulting in 2/3 less web servers.

Insikt, San Francisco – *Software Engineer*

JULY 2014 – JUNE 2015

- Worked on several web stacks using Angular on the frontend and Spring/Java on the backend.
- Led the development of a single page Angular web application for the Insikt investor portal.
- Developed the frontend build pipeline using Grunt and Jenkins for continuous integration.

Electric Vehicle Research Center, Davis, CA – *Software Engineer*

MAY 2009 – JULY 2014

- Led the development of map based web applications.
- Isolated virtual machines with Xen.
- Set up Jenkins to build and deploy various applications.
- Provisioned the production and development machines with Bash scripts.

KWB Entertainment, Bakersfield, CA – *Software Engineer*

APRIL 2005 – JANUARY 2008

- Worked on dozens of web applications using the Linux, Apache, MySQL, and PHP stack.
- Created our town's first online karaoke database.
- Maintained dedicated Linux servers.

EDUCATION

Thomas Edison State University – *Computer Science*

2016 – 2017, TRENTON, NJ

University of California, Davis

2007 – 2010, DAVIS, CA