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Daniel Scrivano

OBJECTIVES

To develop autonomous distributed systems in debuggable Linux environments. To build CI/CD pipelines and deploy monitored applications with confidence. To increase developer productivity through great tooling.

SKILLS

Languages: Golang, Python, Bash

Operating Systems: Debian / Ubuntu, Fedora CoreOS, Arch Linux

Databases: MySQL, PostgreSQL, SQLite, Redis

Networking: gRPC, NFS, Wireguard, Nginx, Wireshark, Tcpdump, Nmap, MQTT

DevOps: Terraform, Ansible, Vagrant, Vim, Prometheus, Grafana

Virtualization: Libvirt, Qemu, Docker, Podman

EXPERIENCE

DroneUp, Remote – *Senior Software Engineer*

AUGUST 2022 – PRESENT

- Built a Go backend using gRPC, MQTT, and PostgreSQL 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 connection pooling beankstalkd worker pool library.
- Rewrote the USPS rating engine and APF parser for rules/price changes.
- Replaced a failing 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 concurrent in memory cache library to prevent cache stampedes.
- Designed the AWS architecture, 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