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Objective.

Full stack developer with DevOps experience. Loves privacy by default. The kind of person who runs a local DNS. Interested in solving problems that make a difference.

Work Experience

DefenseStorm, Inc.Remote, Earth

TECH LEAD Nov. 2022 - Present

SENIOR SOFTWARE ENGINEER Jan. 2021 - Nov. 2022

IBM - SoftLayer Dallas, Texas

SOFTWARE DEVELOPER Apr. 2018 - Jan. 2021

- · Created a distributed worker architecture using RabbitMQ that reduced runtime of a 20-hour batch process to minutes.
- · Enable process visibility and communication between distributed services by creating a message passing framework.
- · Designed alerting tool for Continuous Integration by scripting git internals to detect exact commit responsible for a test suite regression.
- Develop Influx queries for anomaly detection in API submissions to prevent revenue losses of \$1m/month.
- Scale billing systems that process billions of USD worth of customer transactions.

Skills

Languages Java, JavaScript, Python, Go, Bash, PHP

Technologies Linux, AWS, SQLite, PostgreSQL, ElasticSearch, S3, RabbitMQ, systemd, Jenkins, InfluxDB

Practices CI/CD, Git, Docker, Cloud deployments, REST APIs, Unit Testing, Agile

Education

North Carolina State University

Raleigh, North Carolina

B.S. IN COMPUTER SCIENCE Dec. 2017

• 3.60 GPA

Projects

MERCURYMS

Sockgit

Open Austin Austin, Texas

EVICTION HEARING SCRAPER May 2020

- Open Data Initiative to create a data source for Austin, TX eviction cases to aid tenant action organizers during COVID-19 evictions.
- Infrastructure is also collecting historical eviction data for The Eviction Lab at Princeton University.
- Optimized for streaming workloads as bulk datasets can exhaust single machine memory limits.

Personal Remote, Earth

• Media upload service that bridges Twilio MMS API with a NextCloud instance anywhere.

Apr. 2020

Apr. 2020

- Low footprint hand-rolled message queue implementation to allow replaying upload requests efficiently in light of network or service failure.
- Daemons handle adding work to message queue and communicating with listening service can be distributed across multiple machines.

Personal Remote, Earth

• Rust daemon that simplifies manually creating and mirroring personal Git repositories with read-only access on any machine.

- Rust daefinor that simplifies maintaity cleaning and mirroring personal differences with lead-only access on any machine
- Systemd service running on x86 and ARM instruction sets.