

Name: Steven D. Irvin
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Lead Site Reliability Engineer, Cloud, DevOps, Docker, Kubernetes, Go, Jenkins, Automation, Data, NoSQL, Scale

HIGHLIGHTS OF QUALIFICATIONS

Lead Site Reliability Engineer. Software Engineering Go, Python, Ansible, Bash, Terraform. CICD, Agile, Containers, Orchestration, Infrastructure as Code, Autoscaling, Fault Tolerant, Highly Available Immutable Architecture with Introspection Monitoring. Google Cloud, Amazon Web Services, OpenStack, VMWare. Networking, DNS. Nginx. Restful API, microservices. Hands on. Mentor, Advocacy, Architecture, Technology selection.

EMPLOYMENT

Ebates Rakuten

Mar 2018 to Present

Lead Site Reliability Engineer

Responsible for designing, building, running, and monitoring cloud infrastructure to support a variety of mission critical systems. Highly technical, hands-on role that requires expertise supporting systems at enterprise scale. I deliver innovative solutions in key areas: Engineering - continuously optimize secure, scalable and performant security tools and services Reliability - drive fault detection and correction, performance and uptime at global scale Monitoring - instrument systems to gain visibility and understanding of how they are performing at any time Automation and orchestration to enable: Accelerated infrastructure, application and software configuration deployment Automated response to alerts or indicators of performance issues Infrastructure as code

PowerUp Real Estate Investing

Dec 2012 to Present

CEO / Founder

PowerUp Real Estate Investing to capital for Residential Real Estate Investments, identifies housing at below market rates, and purchases them. By improving properties PowerUp Real improves the value of the home.

Prosper Marketplace

Dec 2016 to Mar 2018

Senior Site Reliability Engineer

Reliability, performance, and scalability of micro services API in Java, Docker, Kubernetes. DevOps with Packer, Terraform, VMWare, DNS, DHCP, Jenkins, Artifactory, NGINX Reverse Proxy, F5 Big-IP. Ansible for alerting, monitoring dashboards New Relic, Datadog, Splunk. On-call rotation, mentoring, automate Solr deployments

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Jan 2016 to Oct 2016

Senior DevOps Engineer

DevOps Engineering with CICD, Deployment Automation, Orchestration and Configuration Management with SaltStack, Chef and Python. Agile Software Engineering and the mindset of Infrastructure as Code for Java, Hadoop Virtualization, Git, Restful API, Linux, Monitoring Dashboards (Elasticsearch, Logstash, Kibana), Cloud (OpenStack, AWS), NoSQL (Cassandra), and Storage (NetApp)

Cisco

Jun 2015 to Dec 2015

Cloud Software Engineer III

Design and implement operational tools and automation for OpenStack Cloud Computing projects in Python to automate development workflow for API, RabbitMQ, Kafka Agile software engineering with Git, Gerrit, Ansible, Vagrant, Shell, Bash Cloud Linux Ubuntu. Monitoring and metering for Infrastructure as a Service (IaaS)

DRG

Oct 2014 to Jun 2015

Principal Software Engineer

Developed stateless API for data integration and analytics products, outcome and modeling capabilities

Agile code optimization with Vagrant Ansible and Git for ETL Ingestion, and transformation of data

Database models, ETLs and Restful API endpoints with unittests (nose) for Jenkins CI to promote Java artifacts

Apple

Aug 2013 to Jul 2014

Python Automation Engineer

Developed WiFi, BT, Telephony, iCloud test cases, automated testing frameworks and API driven by automation requirements for manufacturing quality, monitoring, logging, and debugging code optimization

Python Candidate, LLC

Sep 2012 to Aug 2013

Consulting, Data driven Application Developer, SQA Test Automation, Software Engineer DevOps AWS Linux.

Python Test Automation, project. Scalable DC Architecture in Cassandra on RHEL in AWS using Python, Flask and SaltStack. Data Engineering ETL for moving data to / from Teradata to Hadoop HDFS

Monsanto Company

Jul 2011 to Aug 2012

Software Engineer

Developed Python and Perl HPC software for NextGen Sequence Data Bioinformatics Analysis Pipelines with Big Data for Biological Sequences in Intellectual Property US + International Patent Filings Discovery

PC Sprockets

Aug 2008 to Jun 2011

Performance Computers / Gaming Hardware retailer

Developer Google AppEngine, Google Shopping (Google Products), e-commerce, online marketing

Optimise Life Sciences

Jun 2006 to Jul 2008

Bioinformatics, conscious science R&D

Python Developer in Web Frameworks (Django, Flask) for data mining and everything from Backend to UI

SDI Concepts

Jun 2000 to May 2006

Personal Computer manufacturing and marketing

Lead Software Developer POS Software and Web applications in LAMP (PHP / Perl / Python) tons of HTML CSS

SKILLS

DevOps * SRE * Software Engineer * Linux * Cloud * Network * Go Python Bash * Restful API * Scalability * Virtualization * Docker Containers * Kubernetes * Microservices Architecture * Solr * Zookeeper * SaltStack Ansible Chef Puppet * AWS GCP Openstack VMWare * Big Data NoSQL * Redis * Git * CI/CD Jenkins Spinnaker * Statistics * Monitoring * VMWare * Artifactory * Nginx * F5 Big-IP * Datadog New Relic Elasticsearch * Pager-duty

EDUCATIONMASTERS of SCIENCE: MS Molecular Biology & Genetics 2006 Cornell University, Ithaca, NYBACHELORS: BA Microbiology 1993 Miami University, Oxford, OH