

Mike Pfaffroth

Address: Richmond VA
Phone number: 510-342-2234
Email address: mike@mikepfaffroth.com
Web: <https://pfaffy.me>

Profile

I have been a Systems Administrator in professional environments for the past 14 years supporting a variety of configurations. I have focused my career on designing highly-available services from the ground up to be reliable, secure, easy to work on, and well-organized. I'm a DevOps generalist; I focus on being familiar enough to approach any problem- I work until I can fix the issue even if it involves research and testing. I'm currently focusing my skills on learning/improving microservice CI/CD integration with Kubernetes, as well as furthering my programming experience with larger projects.

Skills

– CONFIGURATION MANAGEMENT

Ansible	
Chef	
Terraform	
Salt	

– PROGRAMMING

Python	
Bash	
Golang	
Rust	

– NETWORKING

IP	
Routing (BGP/OSPF)	
Switching (HP, Cisco)	
Load Balancing	

– SOFTWARE

Virtualization	
Webserver/Load Balancers	
Datastores	
AWS	
Kafka	

– MONITORING

Network	
Software	
Logging	

– CONTAINER MANAGEMENT

Kubernetes	
Docker	

Experience

04.2019 – PRESENT SAN FRANCISCO, USA

Senior DevOps Engineer Revinate

I work every day to improve the reliability and stability of our distributed platform workloads. I support our engineering department to help them design and deliver the most efficient and high-quality software as possible- both in terms of cost and performance. I implemented and maintain multiple Kubernetes clusters that run all of our computing workload. I am responsible for maintaining multiple environments in AWS and GCE in Terraform, as well as being the subject matter expert for any questions about our datastores (MySQL, Elasticsearch, S3, MongoDB) or data streams (Kafka, RabbitMQ). I help our teams make the best decisions about the use of technologies for their specific needs. I also assist in cost and security audits as needed, including reporting and implementing any recommended best practices.

09.2019 – 04.2020 OAKLAND, USA

Director of Infrastructure Operations Comfy

I was responsible for the quality of our service delivered from our environments. Working closely with our Customer Success, Support, Solutions, Product, and Engineering groups, I was responsible for the availability, security, visibility, and support of our cloud platform. I helped develop operational playbooks, best practices, support tiers, deployment guides, and roles & responsibilities necessary to deploy our service at client sites predictably, and reliably. Working with my colleagues, I ensured our team implemented monitoring, alerting, and operations as core features of our product. I helped train operations and support staff in triage, debugging, and escalation.

04.2019 – 08.2019 OAKLAND, UNITED STATES

Infrastructure Operations Engineer Comfy

I was responsible for maintaining the infrastructure of Comfy. That includes migrating from a single, manually created VPC in AWS to a Terraform-backed system. This new system integrated with CI/CD to allow our team to audit changes and perform tests before deploying. I also was instrumental in our move from a manually created Kubernetes ecosystem to using EKS and deploying via CI/CD.

Experience

08.2016 – 04.2019 SAN FRANCISCO, UNITED STATES

Infrastructure Engineer **Revinate**

I was responsible for helping to manage, build and improve our CI/CD pipeline, as well as automating all things related to infrastructure. I led the project to revamp our load balancing strategy, making it significantly easier for our developers to launch new services in our Kubernetes cluster. I implemented a new MongoDB backup system to Amazon S3/Glacier, saving \$2.5k/month in hosted backup costs. I assisted in answering any questions on our microservices-based infrastructure, which included Kubernetes, etcd, CoreOS, and Docker. I participated in the on-call rotation and provided support for our services whenever necessary.

11.2015 – 08.2016 EMERYVILLE, UNITED STATES

Infrastructure Team Lead **Location Labs**

I assisted in day to day technical responsibilities of our team, while also providing leadership for our Production team. I helped provide technical mentoring on skills from fundamentals to advanced technologies, as well as provided top-tier support to our on-call rotation in emergency situations. I also provided consultation on infrastructure and security matters for our developers and executive team while planning new products and services.

05.2013 – 11.2015 EMERYVILLE, UNITED STATES

Senior Systems Engineer **Location Labs**

I worked closely with Engineering and QA to ensure all our servers and networking equipment delivered highly reliable services as needed to our clients. I helped specify, choose, and implement the best solutions for a variety of challenges involving software, networking, hardware, and monitoring. I managed servers, routers, switches, and firewalls, using best practices and configuration management methodologies. I also helped in provisioning new product environments from scratch. I was involved in all layers of the software stack, including web serving, databases, caching, load balancing, and security.

01.2012 – 05.2013 SALT LAKE CITY, UNITED STATES

Linux Team Lead **Executech**

I worked with all areas of technology as needed to a variety of different businesses at all sizes, from 5 people to 300 people. I provided businesses with the expertise they needed to make technology decisions and succeed. I headed up the Linux and Mac support in this position, and delivered 99.9% uptime for our Linux services. I also created a new branded monitoring solution that provided alerting and essential service capabilities.

Experience

12.2009 – 01.2012 SALT LAKE CITY, UNITED STATES

Systems Engineer **Lendio**

I managed and maintained all aspects of the company IT infrastructure. This includes the setup, maintenance, security, and backups of all networking equipment, servers, and databases. I was responsible for all internal IT support including help desk functions, phones, desktops, and printers. I also managed all technology vendor relationships. I implemented "best practice" security measures in all aspects of website hosting and workstation management. I assisted all departments in any and all technology needs.

Volunteering

05.2013 – PRESENT

BAY AREA, UNITED STATES OF AMERICA

Co-Founder **Beaus Bridge Club**

I co-founded an animal welfare organization dedicated to saving and improving the lives of pets most at risk in the shelter system through rescue, foster, financial assistance, and adoption.
<http://www.beausbridgeclub.org>

Hobbies



Woodworking



Cooking



Animal Welfare

References

Romain Richard **Comfy**

I worked with Mike at Location Labs and Comfy for a bit more than 3 years total. Mike was the go-to person whenever we had a question, not just because he's great technically, but also because he's always happy to help others. Thanks to him, everyone on the team got better at their job.

Matt Smith **Location Labs**

Mike's charismatic personality often had the rest of us looking to him as a team leader. He always made time to help teach more junior members and the success of numerous projects could be traced back in some way to his involvement.

 Social Media



@ipfaffy



/ipfaffy