AppOrbit

Job Description

Title: Staff Engineer: Container Networking

Location: San Jose, California

Overview

In today's hyper competitive market, enterprise IT is being constantly challenged to iterate rapidly to deliver real business innovation while keeping costs under control. Their application landscape includes traditional (monolithic) applications such as Oracle, Siebel and Peoplesoft and modern cloud-native applications that leverage clouds, containers and microservices. In addition, CIOs are wary of vendor lock-in and do not want their applications to be trapped in a particular cloud provider.

At appOrbit, we have embarked on a path to change this paradigm by building an application platform to manage the development, testing, delivery and management of all enterprise applications, including the legacy systems. Our vision is to make it possible for enterprises to manage end to end lifecycle of any application (legacy, cloud native, windows, linux) on any infrastructure (virtual machines, containers, bare-metal) across any cloud (public, private, hybrid).

In this journey, our technology is already being leveraged by several customers including Ericsson, Prospect Medical and Airtel and, we have a strong go to market with partners like Capgemini, Infosys among others.

Our cloud-native technology stack is comprised of container-based microservices that are integrated with kubernetes and docker on top of our software defined storage and networking platform.

Docker made application deployment and operations simple. But network deployment and operations are as complex as ever. AppSwitch is a fundamentally novel technology, built on new kernel primitives that we will upstream into the kernel. With docker-like simplicity it increases the productivity of NetOps and SecOps teams challenged by traditional network environments.

The candidate would be a core maintainer of the open source project and the enterprise product based on it. It's an opportunity to take a technology with deep impact to the market.

We are looking for a **Staff Engineer** to drive design, architecture and implementation in the next phase of our journey. This individual will have strong technical expertise and experience in bringing to market leading software products in enterprise, cloud, or virtualization environments and intimately familiar with operationalizing SAAS architectures. You will be a hands-on technical leader working closely with your peers in engineering, product management and senior management in the company to deliver best of breed solutions to fulfill AppOrbit's vision for AppSwitch.

Responsibilities:
- Establish architectural roadmap in alignment with product roadmap
- Keep an eye on the "bigger picture" and drive architectural approaches for software design and implementation across engineering
- Design, develop, and deploy a cloud-scale SDN solution.
- Work on complex distributed systems.

AppOrbit

- Collaborate with a small team of developers, test engineers, and product management.
- Evaluate and improve performance, scalability, and resilience.
- Engage with customers and support to solve production issues.
- Interface and interact with open-source community

Qualifications:
- 5-10 years experience working in a commercial software application development environment.
- 2+ years of experience in Service Mesh and active contribution to Istio, Kubernetes, Envoy.
- Knowledge of configuration management systems such as Jenkins, Puppet, Chef, Salt, or Ansible.
- Experience running Docker containers in a variety of environments, Kubernetes is a plus.
- Software engineering experience in the networking/SDN domain
- Fluency in golang
- Experience developing and deploying SDN solutions at scale.
- Extremely strong systems programming and design skills.
- Solid understanding of fundamental network protocols.
- Experience with network troubleshooting and telemetry tools.

Additional Preferences
- Experience building distributed systems and highly-available services.
- Experience developing and deploying VPN solutions.
- Familiarity with tunneling protocols (VXLAN, GRE, Geneve).
- Familiarity with routing protocols (BGP, OSPF, ISIS, MPLS).
- Familiarity or involvement with open source SDN projects.
- Excellent understanding of Operating Systems concepts
- Knowledge of Cloud Management Infrastructure is a big plus
- Hands-on experience with AWS / GCE / Azure is a big plus

Benefits:
- Fun, creative and fast-paced working environment
- Terrific medical and accident insurance plans
- Pantry stocked with snacks and beverages
- Flexible time-off with generous paid holidays