

Josh Rosso

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Work History

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VMware: Staff Architect [01/2019-present]

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- joined via Heptio acquisition[0]
 - technical leadership for vitalization, Kubernetes, and containers
 - focus on field work and emerging Kubernetes products within VMware

Heptio: Staff Field Engineer [03/2018-01/2019]

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- architected Kubernetes platforms for some of largest banks and telcos in the United States
 - provided technical leadership for a subset of engineers in the field

Red Hat: Senior Software Engineer [02/2018-03/2018]

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- joined via CoreOS acquisition[1]
 - engineering of operators[2] to automate deployment and application lifecycle
 - left shortly after the acquisition because I did not believe in OpenShift's approach to Kubernetes

CoreOS: Senior Field Engineer [10/2016-02/2018]

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- consulted fortune 500 companies on Kubernetes

architecture and engineering

- SIG-aws member and co-authored the Kubernetes alb-ingress-controller[3]
- engineered parts of CoreOS's Tectonic Enterprise Kubernetes solution. Namely Spotinst integration and PodSecurityPolicy support
- authored CoreOS's Kubernetes Essentials training

MuleSoft: Senior Consultant [12/2013-10/2016]

- consulted fortune 500 companies on API architecture and engineering
- wrote an API gateway used by one of MuleSoft's largest customers featuring dynamic reconfiguration of [API] routes
- wrote MuleSoft's internal marketing integration
- provided technical leadership around performance and stability of JVM-based systems
- wrote advanced development and architecture courseware for training department

Hyland Software: Trainer [07/2012-12/2013]

- authored and delivered 2 week technical training taken by Hyland engineers, consultants and partners
- engineered pre-sales use case and reference implementation for relational database product

Apple: Instructor [10/2009-07/2012]

- technical and soft skill instruction for various Apple Retail markets
- while not an incredibly technical role, learned invaluable consulting, teaching, and facilitation skills

Projects, Content, and Talks

Content: octetz.com

- my technical blog covering systems engineering concepts and more
- features blog posts and recorded demos
- <https://octetz.com>

Project: Kubernetes alb-ingress-controller

- co-authored[4] the ingress controller that enables AWS Application Load Balancers to be used for ingress in Kubernetes
- adopted by AWS and sig-aws
- <https://github.com/kubernetes-sigs/aws-alb-ingress-controller>

Talk: Self-hosted K8s: Kubernetes Meetup Boulder

- delivered a talk around the internals of our work on bootkube, a tool that enables Kubernetes to be self-hosted
- <https://youtu.be/Belt2wTV0mE>

Talk: Bringing AWS Application Load Balancer Support to Kubernetes

- delivered a talk around our development work for the alb-ingress-controller featuring the other author and AWS.
- <https://youtu.be/OiNK6H4CTCg>

[0]: <https://techcrunch.com/2018/11/06/vmware-acquires-heptio-the-startup-founded-by-2-co-founders-of-kubernetes>

[1]: <https://www.forbes.com/sites/janakirammsv/2018/01/30/red-hat-acquires-coreos-for-250-million>

[2]: <https://github.com/operator-framework>

[3]: <https://github.com/kubernetes-sigs/aws-alb-ingress-controller>