

Ryan Eschinger

Software engineer specializing in Kubernetes and cloud-native technologies.

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Experience

2019-Present **Senior Software Engineer** [MasterCard](#) (New York, NY)

- Core member of a team responsible for designing and implementing a modern Infrastructure API. Automated the provisioning of on-premise virtual machines, network resources, and load balancers with [Kubernetes CRDs](#) and custom [controllers](#).
- Chief architect of an internal tool that simplified [Kubernetes](#) onboarding for developers. Built a user-friendly interface and [GitOps](#) pipelines that concealed the complexity of the underlying Kubernetes platform and allowed for baked-in best practices and enforcement of security policies.
- Provided guidance and delivered code to help migrate on-premise virtual machine deployments to [Microsoft Azure](#).

2008-2019 **Founder** [Jossware LLC](#) (Brooklyn, NY)

Jossware is a software consultancy providing in-depth consulting, training, and development services to a variety of companies, with a focus on cloud-native technologies, programmable infrastructure, DevOps, and application development.

- Consulted for a financial services enterprise on cloud migration, [Kubernetes](#), service mesh, and other cloud native technologies. Evaluated options, developed proof of concepts, and helped build and operationalize an on-premise Kubernetes platform.
- [Kubernetes](#) platform engineer for several international companies on different cloud platforms ([AWS](#), [GCP](#)). Delivered cloud environments as code via [Terraform](#), operationalized Kubernetes with logging, monitoring, security, and service mesh capabilities, and built [GitOps](#)-powered continuous delivery pipelines for application deployments.
- Embedded with a cloud architecture team in an enterprise that delivers accounting and HR software solutions. Mentored team, provided guidance, and delivered code to help migrate a legacy, VM-based architecture to a modern architecture based on [Docker](#) and [Kubernetes](#) and running in [AWS](#).
- Developed software for an early stage ad-tech startup. Built [Go](#)-based microservices to handle analytics and billing in an event-driven architecture. Also responsible for the cloud infrastructure, using [Google Cloud](#) and [GKE](#).
- Core contributor and release manager for [Mantl](#) and its ecosystem of supporting APIs and tools. Mantl integrated technologies like [Docker](#), [Mesos](#), and

Kubernetes. Built with **Terraform**, **Ansible**, **Go**, and supported on various cloud platforms like **AWS**, **GCP**, and **DigitalOcean**.

- Contributor to various open-source projects, both individually and sponsored (**Cisco** and **Joyent**).

2006-2008 **Solutions Developer** **Avanade** (New York, NY)

- Member of the core architecture team that created mobile applications for the U.S. Census Bureau.

1999-2006 **Operations Developer** **NTT/VERIO** (Boca Raton, FL)

- Senior developer, team lead, and principal technical liaison on development of Windows-based products for a large, internationally distributed web hosting network.

Technical Experience

Programming Languages, Frameworks and Technologies: **Go**, **Javascript/Typescript**, **React**, **Ruby** / **Ruby on Rails**, **Terraform**, **Ansible**

Cloud native technologies: **Kubernetes**, **Docker**, **Prometheus**, **Thanos**, **EFK** stack, **Istio**, **Tekton**, **Argo**, **Envoy**, **Helm**, **Knative**

Cloud platforms: **AWS**, **GCP**, **Azure**, **DigitalOcean**, and **Heroku**

Active Open Source **contributor**.

Education

Bachelor of Business Administration, Management Information Systems

University of Florida (Gainesville, FL), Florida Atlantic University (Boca Raton, FL)

Speaking Engagements

- *Repeatable and standardized Kustomize based deployments* (Co-speaker, **CNCF End User Partner Summit**)
 - *Converge: Apply Graphs to your Servers* (Co-speaker, **Strangeloop 2016 Unsession**)
 - *Introducing Cloud Development with Project Shipped and Mantl* (Co-speaker, Cisco Live Berlin 2016)
 - *Introducing Cloud Development with Mantl* (Co-speaker, Cisco Live Cancun 2015)
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