Ryan Eschinger

Software developer specializing in infrastructure automation, cloud
computing, container orchestration, and other *Devops* practices.

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Experience

2008-2017   *Founder Jossware LLC* (Brooklyn, NY)

Software consultancy focused on programmable infrastructure, devops, custom
software integrations, and application development.

- Provided in-depth consulting, training, and development services to a range of
  companies in the realms of programmable infrastructure and the cloud-native
  ecosystem.
- Core contributor to **Mantl**, a modern platform for deploying microservices, and
  its ecosystem of supporting APIs and tools. Mantl integrates technologies like
  Docker, **Mesos**, and **Kubernetes**. Built with **Terraform**, **Ansible**, **Go**, and
  other technologies, and is supported on various cloud platforms like **AWS**,
  GCP, and **DigitalOcean**.
- Provided software consulting to **Checkmate** and worked on various software
  applications including an algorithmic pricing system, inventory management
  and optimization platform, and custom integrations with 3rd-party APIs.
- In collaboration with the founder and a designer, created the **Mamajamas** baby
  registry (**Ruby on Rails**). Built and maintained the distributed web infrastruc-
  ture, which included multiple environments (test, staging, and production), sig-
  nificant background job processing requirements, and a transactional email
  system.
- Consulted with **Open Places** by providing software development and infra-
  structure services. As a core part of the team, helped develop the supporting
  infrastructure for the site and iOS application. Made extensive use of the early
  AWS APIs and Chef to automate, provision, and maintain the infrastructure.
- Various other application development and devops projects for companies large
  and small.
- Experience working remotely with teams around the world, as well as on-site.

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

- Solution Developer for a global IT consulting company co-owned by Microsoft
  and Accenture.
- Member of the core architecture team that created a mobile field data collection
  application for the U.S. Census Bureau. Served as the lead designer and de-
  veloper of several critical components on the Windows Mobile handheld device
  including biometric authentication, data synchronization, network connectivity,

and security auditing. Other responsibilities included design, documentation, training and support.

- Sole designer and developer of a Mobile Survey Solution application which demonstrated several core features that would be useful in a mobile workforce application. For example: an extensible survey engine, time and expense reporting, text messaging, mapping and GPS integration, and reporting.
- Technical lead on a mobile consignment inventory application, which allowed customers to scan receipt and usage of goods and manage inventory. Managed a team of 5 developers to build the Windows Mobile based application and supporting WCF-based web service.

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

- Senior developer and 8-person team lead on the development of Windows-based web hosting products. Contributed to the internal hosting platform provisioning and monitoring systems as well as customer-facing ASP.NET 2.0 web control panels that provided tools such as SSL certificate self management, user management, IIS configuration, and custom application installation.
- Part of a team responsible for successful operations of a large, distributed web hosting network spanning multiple geographic regions, including 3 continents.
- Duties included: security, monitoring, product evaluation and deployment, tool development, automation of common tasks and routine maintenance, and change management of hardware and software upgrades.
- Served as the principal technical liaison between the Windows development group and the operations group and played an essential role in designing and managing product enhancements, additions and upgrades.

Technical Experience

Open Source   Contributor to various open source projects including **Mantl**, **Terraform**, **Converge**, **zookeepercli**, and many **others**.

Programming Languages and Technologies

go: Since 2015, I have been building various CLIs, APIs, and other systems integration software in **Go**.

Ruby: Extensive experience building web applications (in **Ruby on Rails**) and CLIs.

Javascript: Written a large amount of Javascript for frontend-web applications. Experience with **React**, **Ember**, and **jQuery**

Infrastructure automation and configuration management tools such as **Ansible**, **Terraform**, and **Chef**.

Container technologies and orchestration platforms such as **Docker**, **Kubernetes**, and **Mesos**

Cloud platforms and their supporting APIs and tools including **AWS**, **GCP**, and **DigitalOcean**, and **Heroku**.

Some competence with **C**, **Scala**, **Clojure**

Education

Bachelor of Business Administration, Management Information Systems

Florida Atlantic University (Boca Raton, FL)

University of Florida (Gainesville, FL)

Talks

- *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)