

# Ryan Roemmich

503-422-2037

[ryan@roemmich.org](mailto:ryan@roemmich.org)

## Profile

I am a software engineer with a love of high performance, highly available distributed systems.

## Experience

### DIGITALOCEAN

#### Software Engineer - 11/2015 - Present

- Helped to design and build DigitalOcean's Storage products.
- Built micro-services using Go, GRPC, and protocol buffers.
- Authored patterns for validating client-TLS certificate identities.

### SENDGRID

#### Software Engineer - 3/2015 - 11/2025

- Designed and built distributed systems on SendGrid's data pipeline.
- Implemented a service capable of throttling bad users based on suspicious behavior over time.
- Authored engineering requirements docs and operations runbooks for systems my team owned.

### INSTRUMENT

#### Technical Director • 10/2010- 3/2015

- Lead architect for all backend projects at the agency.
- Built load-balanced clusters on AWS using RDS, Varnish, and Elastic Beanstalk.
- Designed and managed a seven node Magento cluster for [Obey Clothing](#)
- Helped to design and develop the in-house Clojure framework, [Caribou](#).
- Developed a high performance search/filter system using Python and Solr for [The License Lab](#).

### CAPGEMINI (SOGETI)

#### Network Tools Developer • 10/2009 - 10/2010

- Designed and developed web applications using Django and DB2 to provide interoperability between back-end management systems such as IBM Tivoli Network Manager and the Remedy Action Request System.
- Produced a metrics system to provide engineer and group-level performance reporting for the group's ticketing systems using Python and matplotlib.
- Built a Django application to store network device configuration data beyond the CMDB. Used for enrichment of NOC tickets generated by Tivoli alarms.

### UNITED RENTALS (TEKSYSTEMS)

#### Web Developer • 6/2009 - 10/2009

- Delivered applications on legacy PHP/PostgreSQL and Zend Framework with DB2.
- Supported a legacy Java codebase and supported an ongoing rewrite to Zend Framework.

### SPRINT NEXTEL

#### Test Engineer II • 10/2000 - 3/2009

- Served as the sole in-house developer/sysadmin for an organization of ~100 network engineers.
- Worked with network technology experts to design and develop intranet applications aimed at increasing productivity, decreasing work errors, and facilitating effective communication to outside organizations.
- Designed an in-house SSO service on OpenLDAP.

## Education

Kansas State University - Computer Science - 1999-2000