

**CONTACT  
INFORMATION**

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**OBJECTIVE**

Mid-level software engineering position in an infrastructure services organization.

**ABILITIES**

- Competent programmer in Java and Python, and some familiarity with C and C++.
- Responsible operator trusted to "figure out what's wrong and fix it" in production at both of my last two companies.
- Understand concepts of distributed consensus, cluster scheduling, data flow analysis, query optimization, and principles of API planning.
- Eager to learn: have recently been learning architectural principles of a distributed storage system. In the past, graduated valedictorian from high school, graduated college in three years, and wrote an [implementation of Lisp](#) as a learning project.
- Can speak to customers, build rapport, and write user-facing documentation.

**EXPERIENCE**

- Have been the senior on-call engineer for a 300-server [object store](#).
- Have worked on both data plane and control plane infrastructure services.
- Have developed software throughout the stack: machine image creation, [PXE booting](#), custom [initramfs](#), [Upstart](#) jobs, database management, [RESTful](#) infrastructure services, and standard website development.
- Experience with running both [Ubuntu](#) and [CentOS](#) on servers, and some familiarity with several other distributions.

**EMPLOYMENT  
HISTORY**

Have grown from being an intern web developer into a senior service author with significant operational responsibility.

**Oracle Corporation.**, Santa Clara, CA

**May 2015 - present**

**Senior, Principal Member of the Technical Staff** on the Object Storage team

- Original author of the web server frontend and perennial contributor later as the team expanded.
- Solely responsible for the feature set currently bringing in the majority of the service's revenue, [Oracle DB](#) backups to Swift. Implemented the [Swift API](#), taught myself how to use [RMAN](#), thoroughly tested integration, and wrote the original documentation.
- Responsible for metrics collection, display, and alarming.

**Nebula, Inc.**, Seattle, WA and Mountain View, CA

**June 2012 - April 2015**

**Intern, Contractor, Software Engineer** on the Orchestration team

- Architected and implemented a secure log collection tool.
- Contributed to product virtualization tools that greatly increased productivity by shortening the debug cycle.
- Contributed to various orchestration control plane features including live upgrade support, bare-metal and [LXC](#) container provisioning, [VIP](#) allocation, and storage metering.
- Maintained projects such as disk management, LDAP compatibility, automated integration tests, and image build tools.

- Traveled to customer's offices many times for debugging and optimization work.

**Kelly Creative Tech, Inc.**, Columbus, OH

**June 2011 - September 2011**

- Maintained existing Django-based websites and built one website.

## EDUCATION

**Ohio State University**, Columbus, Ohio

**September 2010 - May 2013**

- Earned a BS in [Computer Science and Engineering](#) in three school years.
- Led a senior project that built a [Transcription Factor Target Search](#), a website offering search and statistical analysis across a database of known [transcription factors](#).
- Built an autonomous "farming" robot for a [competition](#) starting with only a controller board and battery. Share responsibility for the [software](#) and hardware design, including programming motor control, soldering together sensors, and iterating on the PVC chassis.

## REFERENCES

Available upon request.