

CONTACT INFORMATION	Joel Friedly 412 Knowles Ave Santa Clara, CA 95050	Mobile: +1-419-974-1337 E-mail: joel.friedly@gmail.com GitHub: https://github.com/jfriedly
OBJECTIVE	Mid-level back-end development career position.	
ABILITIES	<ul style="list-style-type: none">• 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.• Eager to learn: personal projects include a three-month physics internship at CERN during a sabbatical, publishing answers to the programming exercises in K & R, and writing an educational implementation of Lisp.• Can speak to customers, build rapport, and write user-facing documentation.	
EXPERIENCE	<ul style="list-style-type: none">• Second engineer on an object store that has grown to tens of petabytes; am currently the longest-serving engineer in the organization (approx. 50 engineers).• Have worked on both data plane and control plane infrastructure services.• Have developed software throughout much of the stack: machine image creation, PXE booting, Upstart jobs, docker images, various infrastructure services, and standard website development (using Django).• Experience with running both Ubuntu and CentOS on servers, and some familiarity with several other distributions.	
EMPLOYMENT HISTORY	<p>Have grown from being an intern web developer into a senior service author with significant operational responsibility.</p> <p>Oracle Corporation., Santa Clara, CA May 2015 - present Senior (IC3), Principal (IC4) Member of the Technical Staff on Object Storage</p> <ul style="list-style-type: none">• Designed and was tech lead for Object Lifecycle Management, a microservice enabling automatic policy-based archival and deletion of data. Currently processing > 100K objects per second per host, with load average < 2 on each host.• Bootstrapped object storage in our largest production region (us-ashburn-1) with three data centers and now > 1000 servers.• Integrated the service with our telemetry (metrics) system. Built original dashboards and alarms, some still in use today. Remain an active contributor.• Original author of the RESTful web server front-end and one its compatibility APIs (Swift). Frequent front-end contributor since. <p>Nebula, Inc., Seattle, WA and Mountain View, CA June 2012 - April 2015 Intern, Contractor, Software Engineer on the Orchestration team</p> <ul style="list-style-type: none">• Contributed to various orchestration control plane features including live upgrade support, bare-metal and LXC container provisioning, VIP allocation, LDAP compatibility, and internal image build and virtualization tools.• Traveled to customer's offices many times for debugging and optimization work.	
EDUCATION	Ohio State University , Columbus, Ohio September 2010 - May 2013 <ul style="list-style-type: none">• Earned a BS in Computer Science and Engineering in three school years.	
REFERENCES	Available upon request.	