

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