

Daniel Thornton

6445 Rankin Dr
Vancouver, WA 98665

541-908-1820
daniel@relud.com
relud on github

Experience	Jan 2018 - Present	Mozilla Corporation	Vancouver, WA
	Senior Data Engineer		
	<ul style="list-style-type: none">• Design, implement, and test ETL pipeline for migration to GCP using Kubernetes, PubSub, Dataflow, and BigQuery (code: https://github.com/mozilla/gcp-ingestion)• Support existing ETL pipeline in AWS built on NGinX, Hindsight, Kafka, EMR Spark, and Athena• Write, test, and support Spark jobs to improve cost and performance by materializing Athena queries		
	Jan 2013 - Dec 2017	Mozilla Corporation	Portland, OR
	Senior Operations Engineer		
	<ul style="list-style-type: none">• Designed and supported an ETL pipeline for delivering logs to ElasticSearch, Redshift, and S3 for anomaly detection and analysis using Kibana, Redash, Quicksight, and Athena• Deployed, tested, and scaled python and nodejs services on AWS with CentOS, RPMs, Docker, and Puppet• Worked with developers to design and implement a highly-available data pipeline in AWS, using S3, SNS, SQS, Disco map-reduce, and Redshift• Designed masterless Puppet infrastructure on AWS• Designed load tests and integration tests for developer provided software		
	Nov 2010 - Dec 2012	OSU Open Source Labs	Corvallis, OR
	Community Systems Administrator		
	<ul style="list-style-type: none">• Assisted in migrating from CFEngine to Puppet• Experience working with and administrating Puppet, Redmine, CFEngine, and some FTP mirroring, AWStats, LDAP, and Nagios• General linux systems administration (fix this server, deploy that software project, etc)		
	May 2011 - Sept 2011	Novellus Systems	Tualatin, OR
Education	Software Engineer Intern		
	<ul style="list-style-type: none">• Deployed, administrated, and wrote plugins for Redmine/Chiliproject• Analyzed and documented comparisons between git, svn, and clearcase• Implemented a feature across multiple codebases in C and Java		
	2008 - 2015	Oregon State University	Corvallis, OR
	Bachelor of Science in Computer Science		
	2006 - 2008	Blue Mountain Community College	Pendleton, OR
Interests	Associate of Arts Oregon Transfer Degree with Honors		
	<ul style="list-style-type: none">• I enjoy working with large scale systems, because of how working at scale can handle bring out opportunities for creative and thoughtful designs to work around difficult limitations.• Working with a team to take a project from functional on a laptop to handling tens of thousands of requests per second. Architecting for scale, and all the troubleshooting along the way.• Outside of work I enjoy video games, sci-fi and fantasy fiction, kayaking and indoor rock-climbing.		