

# Renning Bruns

Los Angeles, California

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## Experience

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### Amazon

Los Angeles (Remote)

*Software Development Engineer*

2016–present

- Built "on call" documentation to drastically reduce engineer effort when dealing with seller facing issues.
- Forecasted Q4 peak traffic for inbound shipment data for years 2016 and 2017.
- Lead team through Q4 preparation exercises to ensure our services were properly scaled for holiday season.
- Designed new APIs providing access to modify shipment metadata for other teams.
- Created streaming pipeline for handling changes to shipment data utilizing AWS Lambda and Kinesis.
- Deployed Elasticsearch service for querying and aggregating shipment data.
- Mentored team in utilizing Cloudformation for all AWS applications.

### HauteLook

Los Angeles

*Senior Software Engineer*

2015

- Designed and implemented SolrCloud deployment in EC2.
- Built API using the Scala Lift framework to interface with SolrCloud.
- Developed a supervisor service in Scala to manage SolrCloud auto-scaling.
- Reduced customer wait time for search results from 1200ms to 300ms (avg).
- Mentored colleagues on Functional Programming fundamentals.

### IXL Learning

San Mateo

*Software Engineer*

2014–2015

- Implemented randomized math problem generators in Java for student practice.
- Designed, developed, and implemented full CI deployment for a Scala Lift application.
- Developed Ansible playbooks for system configuration and management.
- Prototyped a ML deployment using Mesos to run computations through Spark and Storm.

### LA Math Circle

Los Angeles

*Teaching Assistant*

2012

- Teach children advanced math concepts like non-Euclidean geometry and probability.
- Prepare age appropriate lesson plans for 3rd-4th grade students.

### Angie C

Dillingham, Alaska

*Salmon Fisherman*

2011

- Coordinated crew shifts for watch, work, and maintenance.
- Utilizing 200 ft. gillnet to catch salmon.

### Peanut Labs

San Francisco

*System Administrator*

2010–2011

- Maintained application, web, and database servers in a high availability environment.
- Took up responsibility for maintaining a Java web application.
- Created bash scripts and Puppet configurations to administer servers.

### Sourcis

Folsom

*Web Developer*

2009–2010

- Maintained MLS listings for various real estate agents in PHP, Perl, HTML, and CSS.

### US Air Force

Offutt AFB, Nebraska

*Arabic Cryptologic Operator*

2005–2009

- Processed, exploited, analyzed, and disseminated signal intelligence information.
- Maintained language proficiency, training currency, and physical fitness.
- Researched, developed, and presented intelligence briefings on Middle East current events.
- Held TS/SCI security clearance.

## Education and Training

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### **UCLA**

*Bachelor of Science, Mathematics*

**Los Angeles**

2013

### **US Air Force**

*Cryptologic Operator Training*

**Offutt AFB, Nebraska**

2009

- In-depth study of Middle East militaries and radio theory.
- Trained on the operation of system hardware to perform duties.