

Renning Bruns

Los Angeles, California

✉ renning.bruns@gmail.com • 🔗 linkedin.com/in/renningbruns

Experience

Webflow

Los Angeles (Remote)

Senior Software Engineer

2018–Present

- Redesigned SSL termination to have drastically improved latency worldwide, built on Kubernetes.
- Help teams adopt a culture of data driven decisions by adding metrics and dashboards.
- Align development teams to use two week sprint and agile development process.
- Created documentation for much of the pre-existing backend code base.
- Designed and added security features such as account audit logs, email change authentication, removing third party page requests on secure pages.
- Created a number of APIs to support ecommerce shipping features.
- Coordinated across teams to design and scope out solution to allow users to create multilanguage sites.
- Started engineering reading group covering topics like Category Theory and functional programming.

Amazon

Los Angeles (Remote)

Software Development Engineer

2016–2018

- Forecasted traffic for FBA teams resulting in substantial AWS cost savings and optimal hardware utilization.
- Built "on call" documentation to drastically reduce engineer effort when dealing with seller facing issues.
- 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.
- Created and managed Redshift cluster for offline data insights.
- Migrated and integrated Redshift data with shared Amazon data lake.
- 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

UCLA**Los Angeles***Bachelor of Science, Mathematics*

2013

US Air Force**Monterey, California***Cryptologic Operator Training*

2005–2008

- Immersive Modern Standard Arabic language training and .
- In-depth study of Middle East militaries and radio theory.
- Trained on the operation of system hardware to perform duties.