

Renning Bruns

Los Angeles, California

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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 **Node.js** 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 **Javascript** 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 in **Java** 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 a **Scala** Lift application including all **CI/CD** configuration.
- 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***Software Engineer*

2010–2011

- Developed and maintained **Java Spring** service to make customer visits across devices unique.
- Maintained application, web, and **MySQL** database servers in a high availability environment.
- Created bash scripts and **Puppet** configurations to administer servers in **AWS EC2**.

Sourcis**Folsom***Software Engineer*

2009–2010

- Built and developed multiple customer sites 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.