

Renning Bruns

Los Angeles, California

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Experience

Slack

Staff Software Engineer

Los Angeles (Remote)

2022–Present

- Tech lead for metrics and alerting at Slack. Architecture built around Kafka and Prometheus.

GitHub

Senior Software Engineer

Los Angeles (Remote)

2020–2022

- Helped migrate GitHub from a single Elasticsearch cluster to multiple ES clusters.
- Rapid development of critical features for sharding document indexing and querying across many ES clusters.
- Contribute to effort to migrate live production search indexes from AWS to on-premise and Azure ES clusters.
- Build and develop Object Storage system to automatically migrate S3 users to Azure Blob Storage with zero downtime.

Webflow

Senior Software Engineer

Los Angeles (Remote)

2018–2020

- Built SSL termination to be globally scalable with improved latency worldwide, built on **Kubernetes** with microservice architecture, used by all Webflow websites.
- 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** and **Go** APIs to support ecommerce shipping features.
- Help teams adopt a culture of **data driven decisions** by adding metrics and dashboards.
- Created documentation for much of the pre-existing **Node.js** backend code base.
- 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

Software Development Engineer

Los Angeles (Remote)

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

Senior Software Engineer

Los Angeles

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

Software Engineer

San Mateo

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**.

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