Renning Bruns

Los Angeles, California

✉ ren@renmail.net • 🌐 linkedin.com/in/renningbruns

Experience

Slack   **Los Angeles (Remote)**
Staff Software Engineer   *2022–Present*
- Developed **Elasticsearch** index **Kubernetes operator** and chatbot for managing 75+ ES clusters.
- Created custom tool in **Rust** for debugging data in **Prometheus** write ahead logs.
- Architected metrics ingest pipeline to use **Open Telemetry** and **Grafana Mimir** for storage.
- Created custom metrics router in **Rust** for routing metrics through ingest pipeline.

GitHub   **Los Angeles (Remote)**
Senior Software Engineer   *2020–2022*
- Helped migrate GitHub from a single **Elasticsearch** cluster to multiple ES clusters.
- Built and maintained service in **Go** to transparently query multiple 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   **Los Angeles (Remote)**
Senior Software Engineer   *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   **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**.

Peanut Labs   **San Francisco**

Software Engineer   *2010–2011*
  - o Developed and maintained **Java Spring** service to make customer visits across devices unique.
  - o Maintained application, web, and **MySQL** database servers in a high availability environment.
  - o Created bash scripts and **Puppet** configurations to administer servers in **AWS EC2**.

Sourcis   **Folsom**

Software Engineer   *2009–2010*
  - o Built and developed multiple customer sites in **PHP**, **Perl**, **HTML**, and **CSS**.

US Air Force   **Offutt AFB, Nebraska**

Arabic Cryptologic Operator   *2005–2009*
  - o Processed, exploited, analyzed, and disseminated signal intelligence information.
  - o Maintained language proficiency, training currency, and physical fitness.
  - o Researched, developed, and presented intelligence briefings on Middle East current events.
  - o 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*
  - o Immersive Modern Standard Arabic language and culture training.
  - o In-depth study of Middle East militaries and radio theory.
  - o Trained on the operation of system hardware to perform duties.