

# David Liman

<https://github.com/dvliman>

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## Education

California State Polytechnic Pomona

March 2012

Bachelor of Science in Computer Science

Cummulative GPA: 3.51 Major GPA: 3.67

## Experience

**Guardtime**, Senior Software Engineer

April 2018 – Present

**Technologies:** Kotlin, Java, Spring, RxJava, Golang

- Design, and implement supply chain solutions with Guardtime's proprietary digital timestamping service
- Investigate suitable architecture for permissioned blockchain applications
- Implemented continuous integration and deployment processes

**TigerText**, Senior Platform Engineer

February 2015 – April 2018

**Technologies:** Erlang, Redis, Cassandra, Elasticsearch, Logstash, Kibana

- Designed and implemented user-friendly, secure, real-time messaging platform for healthcare professionals
- Worked on transitioning chat server from XMPP to HTTP Server-Sent-Event. Improved code quality and error handling
- Migrated backend storage from single Redis host to Cassandra cluster
- Involved in architecture and code review, eliciting simple and minimal design

**Zipfworks Inc**, Software Engineer

March 2014 – February 2015

**Technologies:** Scala, MongoDB, Elasticsearch, AWS EC2 and S3

- Built a RESTful API to support custom CMS. Features included coupon ranking, similar coupons, social integrations, apple-push notifications, and more
- Built a product-category classifier by extracting feature sets of crawled fashion inventories using Naive Bayes algorithm with 92% of accuracy
- Wrote image resizing service and storage system
- Containerized applications and processes using Docker

**OneScreen**, Data Engineer

November 2013 – February 2014

**Technologies:** Scala, Scalding, Ruby, Hadoop (EMR), S3, Chronos

- Wrote MapReduce jobs to analyze advertising impressions from pixel tracking streams
- Maintained ETL pipeline from ingesting ads server logs to building impression reports in Vertica database

**Technologies:** Java, Apache Jena, Javascript, Dojo Toolkit, IBM Websphere

- Built a high performance query engine to index, store, and process SPARQL queries
- Wrote benchmarks to compare triple stores, asynchronous servlets, query execution path
- Profiled, analyzed, and documented performance characteristics with tweak on Linux settings, JVM settings, GC tuning
- Responsible for cross-functional team documentation