# David Liman

https://github.com/dvliman

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## Qualifications

- More than 7 years of experience as a software engineer

- Passionate to write clean, correct, and maintainable code

- Excellent experience in developing and maintaining production systems

- Hands-on experience designing SQL and NoSQL databases

- Excellent knowledge in protocols, architecture and implementation of distributed systems

## 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:** Blockchain, Java, Spring

- Propose, design, and implement features around Guardtime secure cryptographic services

**TigerText**, Senior Platform Engineer February 2015 – April 2018

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

- Worked on scaling chat infrastructure. Analyzed platform bottlenecks

- Owned design and implemented business workflows in TigerText messaging platform

- Reduced technical debt. Improved code quality and error handling

- Migrated data from Redis to Cassandra, developed dual writes and scripts for data migration process. Saved infrastructure costs by moving off very large memory instances

- Involved in architecture and code review, eliciting simple and minimal design

- Mentored junior developers in functional programming

**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 on Vertica


**IBM**, Software Engineer                                           April 2012 – October 2013

**Technologies:** Java, Apache Jena, Javacsript, 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

- Built a custom logging solution for application metrics using MongoDB as data storage

- Responsible for cross-functional team documentation and managing interns

## Projects

**OffersDB**, Engineer                                                                Present

**Technologies:** Clojure, Sqlite, React

- Aggregating merchants and products data from multiple affiliate networks
- Researching SEO/SEM and measuring advertising return