David Liman

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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, Spring Boot, RxJava, Golang, SQS, S3

- 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

- Implemented features for the company's real-time, enterprise messaging platform
- 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 REST API to support custom CMS. Features included coupon ranking, similar coupons, push notifications, and more
- Built a product-category classifier by extracting feature sets of crawled fashion inventories using Naive Bayes algorithm with high accuracy
- Integrated with FB and Google APIs
- Wrote image resizing and file uploads service
- 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, video view counts, from pixel tracking streams

- Maintained ETL pipeline from ingesting ads server logs to building impression reports in Vertica database

IBM, Software Engineer   November 2011 – October 2013

Technologies: Java, Apache Jena, Javacsript, Dojo Toolkit, IBM Websphere

- Built a query engine to store RDF triplets 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