

# Sid Narayan

SOFTWARE ENGINEER

San Francisco, CA

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## Education

### UCLA (University of California, Los Angeles)

B.S. IN COMPUTER SCIENCE

- GPA: 3.6 /4.0

*Los Angeles, California*

*Sep. 2013 - Dec. 2017 (Expected)*

## Experience

### Amazon

SOFTWARE DEVELOPMENT ENGINEER 2 (AMAZON ELASTICSEARCH)

*Palo Alto, CA*

*Mar. 2020 - Jan. 2021*

- Designed and implemented a self-healing feature for Elasticsearch using Java which detects node and cluster issues and fixes them in real time.
- Developed a dynamic throttling mechanism for Elasticsearch using Jetty and an analytics engine which stops rogue queries from blowing up clusters.
- Contributed to open source Elasticsearch plugins for metrics collection, aggregation, and analytics.

### Splunk

SOFTWARE ENGINEER (PLATFORM TEAM)

*San Jose, CA*

*Oct. 2019 - Mar. 2020*

- Improved data routing logic in our Golang based control plane, giving customers fine-grained control over where their data lives and who could access it.
- Created a new authentication service in Java capable of giving all Splunk customers access to the SignalFx application.
- Designed a centralized throttling microservice which was consumable by all other services in the platform.

### SignalFx

SOFTWARE ENGINEER (METADATA/APPLICATION PLATFORM TEAMS)

*San Mateo, CA*

*May. 2018 - Oct. 2019*

- Created a real time event streaming and handling service in Java using Helix, Elasticsearch, and Kafka.
- Developed the core RESTful APIs for the entire service in Java using Jersey alongside other tooling.
- Built a cloud storage migration tool in Python which reduced our Elasticsearch and Cassandra cluster average MTTR by 90%.

### Illumio

SOFTWARE ENGINEER (PRODUCTION ENGINEERING INTERN)

*Sunnyvale, CA*

*Jun. 2016 - Sept. 2016*

- Leveraged Ruby on Rails, Scala, and Gatling to create a system for managing, monitoring, analyzing, and executing all production tests.
- Built a REST API server to allow production engineers to build and execute complex testing scripts.
- Integrated the system with the company's OneLogin authentication to ensure that only production engineers could use the system.

### Intel

SOFTWARE ENGINEER (NETWORK PLATFORM LAB INTERN)

*Hillsboro, OR*

*Jun. 2015 - Oct. 2015*

- Utilized Python and Django to quickly collect and analyze gigabytes of server data logs and display the statistics on a web server.
- Improved and modified core control plane components of a 4G LTE cellular network using C++.
- Discovered and optimized inefficient writes in the Radio Access Network software, resulting in an application speedup of 200%

## Awesome Projects

### Expedia Big Data Analysis

PYTHON, PANDAS, NUMPY, D3.JS

- Analyzed a LARGE (multiple TB) Expedia dataset using Python and used the results to develop a marketing strategy to improve customer conversion.
- Developed a visualization to demonstrate and showcase the data to a panel of judges using Javascript and D3.
- Finalist project at UCLA's DataFest 2017!

### Connoisseur (Capstone)

IOS, REACT NATIVE, MOBILE

- Built an iOS application using the React Native framework which provides restaurant suggestions based on a Netflix-like recommendation algorithm.
- Migrated from Node.js to a Java Spring backend infrastructure, resulting in more efficient API calls.
- Overhauled the front-end interface to provide a robust visual design and improve usability and functionality.