

# Sid Narayan

SOFTWARE ENGINEER

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## Education

### UCLA

B.S. IN COMPUTER SCIENCE

- GPA: 3.6 /4.0

*Los Angeles, California*

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

## Experience

### Splunk (Acquired SignalFx)

SOFTWARE ENGINEER (PLATFORM TEAM)

- Extracted and deployed an Authentication microservice out from a larger REST microservice that was becoming a monolith.
- Built a Python3 script to extract, transform, and migrate timeseries data from SignalFx into Domo (a sales tool) and deployed it as a Lambda.

*San Jose, CA*

*Oct. 2019 - Present*

### SignalFx

SOFTWARE ENGINEER (METADATA/APPLICATION PLATFORM TEAMS)

- Designed, implemented, and deployed a Muting microservice utilizing Elasticsearch and Kafka to mute alerts related to streaming time series data.
- Integrated MongoDB with SignalFx's backend architecture and wrote a Java client to migrate business objects into the cluster
- Built a cloud storage migration system (EBS, GCS, etc.) using Python that is still widely used today to manage C\* and Elasticsearch clusters.
- Integrated Facebook's zstandard (zstd) compression with our S3-backed backup pipeline. This led to a dramatic reduction in file size and savings of \$3000/month at the cost of a small MTTR increase.

*San Mateo, CA*

*May. 2018 - Oct. 2019*

### Illumio

SOFTWARE ENGINEER (PRODUCTION ENGINEERING INTERN)

- Leveraged Ruby on Rails and Scala to create a system for managing, analyzing, and executing all production tests.
- Built a REST API server for production engineers to use during test development and execution
- Learned to integrate software with 3rd party components, namely SAML validation through OneLogin and Okta

*Sunnyvale, CA*

*Jun. 2016 - Sept. 2016*

### Intel

SOFTWARE ENGINEER (NETWORK PLATFORM LAB INTERN)

- Contributed to the development of core components of a 4G LTE cellular network using C++
- Identified and optimized a bottleneck that involved flushing to standard out, resulting in an application speedup of 200% (confirmed with the UNIX time utility).
- Utilized Python and Django to quickly collect and analyze gigabytes of server data logs and display the statistics on a web server.

*Hillsboro, OR*

*Jun. 2015 - Oct. 2015*

## Awesome Projects

### Expedia Big Data Analysis

PYTHON, PANDAS, NUMPY, JAVASCRIPT, 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, FULL STACK

- 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

### Fractal Generator

C++, LIBPNG, OMP, MULTI-THREADING

- Built a multithreaded program which rendered images of Mandelbrot and Buddhabrot fractals using C++ and libpng
- Won a competition hosted by UCLA IEEE for being the best overall fractal generator