

# Aditya Nalluri

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## Professional Experience:

### Software Development Engineer, Cisco Systems

July 2019 – Present

- Designed and developed a monitoring service using Apache curator and **zookeeper** to overcome Netflix exhibitor dependency and improve **reliability** of VMware ESXi based clusters during major **outages**
- Redesigned and developed Cisco **stretched cluster** using Intersight cloud witness to reduce **maintenance overhead**
- Enhanced **HX Edge** clusters **zookeeper** and **cluster IP** management code to fix **production software** upgrades
- Worked on **iSCSI** network protocol to improve **storage** capabilities of Hyperflex data platform
- Processed **2GB+ log** files to enhance **HX cleaner** which monitors the **storage space** on a cluster
- Developed **SSO** using Kerberos authentication for Microsoft Hyper-V for **monitoring** cluster health
- Modified the **failover cluster creation** from deploy to cluster creation phase to enhance Hyper-V installation
- Developed monitoring scripts to notify users in **HX connect UI** in case of system failures
- Technologies: **Scala, Java, Python, C++, Shell, Microsoft PowerShell, Apache Thrift, Apache curator, VMware ESXi**

### Full Stack Developer, Prisma P Lab, UF Health

Feb 2018 – Feb 2019

- Launched** the **real time** surgery risk **prediction platform** with more than **20,000 patients** and **300 surgeons**
- Reduced the load time of existing web pages by **50%** by implementing a client-side **caching** architecture using **Memcached**
- Implemented secure user **authentication** for UF surgeons using shibboleth
- Technologies: **Java, JAX-RS REST APIs, Cassandra, JavaScript (jQuery), Docker, HTML5, CSS, Tomcat**

### Full Stack Developer, Trupik Inc

Aug 2016 - July 2017

- Built **REST APIs** with **Redis** caching for various brand catalogs, user body renders
- Integrated an in-app chat support with a third-party Android SDK which improved the **sales by 30%** due to reduced response time from the marketing team
- Developed **partner websites** to showcase the user garment renders
- Technologies: **Python, Django, Android, Redis, REST, AWS, CSS, Javascript and MySQL**

### Software Developer, Barclays

July 2015 - Aug 2016

- Designed the CashBack and PayYourselfBack flows for Barclays credit card to support **rewards platform migration** which reduced the clicks to completion from 5 to 3
- Ensured code quality standards using clean code development and achieved more than **90% code coverage** using Junit
- Experience working in a cross-functional **Agile** team; experience with test automation tools like selenium
- Worked with continuous integration, build and deployment technologies like **GoCD and Jenkins**
- Technologies: **Spring MVC, Java EE, JSP, JavaScript, jQuery, Bootstrap, Sass, Grunt, HTML5, CSS, Junit**

## Education:

### University of Florida, Gainesville

Aug 2017 – May 2019

Masters, Computer Science

GPA: 3.55

### Birla Institute of Technology and Science, India

Aug 2011 – Jun 2015

Bachelors, Computer Science

GPA: 3.4

## Academic Projects

### Kidney risk prediction:

Aug 2018 – Dec 2018

- Worked with patient data to predict the kidney risk complications post-surgery using Pandas, Scikit-Learn and Keras

### P2P file sharing system in Java:

Oct 2018 - Nov 2018

- Implemented the choking-unchoking mechanism which is one of the most important features of Bit Torrent using socket programming and multithreading

### Stock Market Analyzer in Java:

June 2018

- Developed RESTful APIs and web pages of a stock market analyzer in database design course

## Technical skills:

- Programming and Scripting** - Java (Proficient), Python, JavaScript, PHP, C, C#, C++, Shell
- Database Technologies** - MySQL, Oracle SQL, Cassandra
- Relevant Coursework** - Data Structures, Database Management, Software Engineering, Object Oriented Programming
- Frameworks** - Spring, Django, Android
- Others** - Pandas, Agile, Linux, UNIX, Redis, AWS, Docker, Memcached, Jenkins, JSON, Tomcat, GIT, SVN