



# Rishi Bommu

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Hello World, Senior Software Developer with a passion for building anything and everything. There isn't a domain I am not curious about nor a new technology that I can't pick up. On my free time, I am building or tinkering with a new hardware or software project. My recent few have been renovating 1986 Pinnacle RV and building a Retro-Pi Linux system. I am also a Professional Magician from time to time!

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## Education

GRADUATED : SPRING 2016

### **B.S. Computer Science / San Jose State University**

- **3.89/4 Major GPA**
- **Summa Cum Laude**, Graduated with **Honors** in Major and University
- Cisco **Scholarship**. Accelerated Graduation at only three years, **Distinction** in Major.

GRADUATED : SPRING 2016

### **Minor in Mathematics and Minor in Humanities**

- Distinction in Math Research. With two published papers.
- Humanities Salzburg Scholar – distinction/scholarship to study Matters of Humanity in Europe
- Humanities Honors Program

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## Experience:

### **Software Developer / Proofpoint, Sunnyvale CA**

Acronym Key– CQS = Cloud Quarantine Service

JUNE 2017 – PRESENT

#### **Messaging Intelligence Service Team**

- **Java Developer** for Multiple Micro Services related to Messaging Intelligence Service
- CQS Europe Deployment- Leading Deployment of CQS for Europe- **GDPR** is fun
- Developing CQS infrastructure to **Kubernetes** as we transition to the container model

JANUARY 2018 – MAY 2018

#### **Cloud End-User Web Team**

- Took Ownership of CQS work from Dev-QA-Ops. Servicing **2 Billion Emails** at any time
- Focused Work on understanding **CI/CD** Pipeline and Automated Testing- **Rspec** and **Jenkins**
- Developed New Backend **REST API** for new Cloud End User Experience as a **Java Developer**
- Ability to translate business requirement to technical solutions with Best Engineering Practices

MAY 2017 –DECEMBER 2017

### **Cloud Services Team**

- Deployed Product ->ELK Service- Log Search Service for Various Proofpoint Applications. Knowledge Working with **Kibana, Elasticsearch, Logstash**
- Worked on automating all Manual tasks related to CQS as we transitioned to Production- Knowledge Using – **Ansible, Rundeck, Ruby, Linux, Bash**
- Experience with designing **multi-threaded, scalable, secure, and high performance** distributed applications.

JULY 2016 –APRIL 2017

### **Zapp Services Team**

- Joined as a **Java Developer Full Time** in Product Development for CQS
- Experience working with various Java Frameworks/plugins-> **Json,Guice,Docker**
- Developed Infrastructure Management of CQS through **Puppet**
- Wrote the Foundation of a **Cloud-Scale, Multi-Tenant Search and Data Store**
- Deep knowledge working with **Cassandra, Elasticsearch, Zookeeper, Kafka**- can Resolve Problems from Production to Development

## **Software Developer Intern / Proofpoint, Sunnyvale CA**

JUNE 2015 –AUGUST 2015

### **Privacy Team**

- Joined as a **Java Developer Intern** in Product Development for Secure Mail
- Core Foundation building Cassandra Stores using Java, Thrift and REST API

JULY 2016 – SEPTEMBER 2016

## **AI Twitter Bot/ Simple Rishi**

- **Ruby** based Artificial Intelligence Service, Fully Deployed Service in **AWS**
- System learns and replies to Users on Twitter
- Source Code - <https://magic.rishishop.com/docs/simpleRishi/>

JANUARY 2016 – JUNE 2016

## **Visual Programming Languages/ SJSU Science Research Fund**

- **Java** and **Ruby** based Compiler of Visual Programming
- Research in understanding how programming can be done through a visual interface
- Research Paper - <https://magic.rishishop.com/docs/visualProgrammingLanguages/>

JANUARY 2015 – JUNE 2015

## **Volkswagen 3D Feature Detection Researcher/ SJSU, CAMCOS**

- Non-Disclosure Agreement
- Competent with various Video Processing Algorithms
- Profound Knowledge in Machine Learning Algorithms
- Support Vector Machines and Neural Networks
- Research Paper - <https://magic.rishishop.com/docs/visualDetectionResearch/>

AUGUST 2014 – DECEMBER 2014

## **Math Origami Research Programmer / SJSU, CAMCOS**

- Research in the understanding of folded and connected states in 2D Structures
- Experience in creating programs to replicate folded states Permutations
- Research Paper - <https://magic.rishishop.com/docs/mathOrigamiResearch/>

JANUARY 2012 – DECEMBER 2012

## **Bitcoin Server Self-Built/ Linux Administration Research**

- Skills in understanding **p2p connections** and **Network workflows**.
- Capability to debug Linux issues with over 8 years in experience
- Research Paper - <https://magic.rishishop.com/docs/bitcoin/>

JANUARY 2012 – DECEMBER 2012

## **IOS application Publication/ Rusher**

- Self Studied Objective-C/C coding and Apple IOS SDK
- Created user UI and application from ground up- Back End and Front End
- Finished Product- Rusher- GPS application that intertwines Internet searching and a GPS
- Published Application with over 2000 downloads

JANUARY 2012 – DECEMBER 2012

## **Bitcoin Server Self-Built/ Linux Administration Research**

- Skills in understanding **p2p connections** and **Network workflows**.
- Research Paper - <https://magic.rishishop.com/docs/bitcoin/>

OCTOBER 2010 – PRESENT

## **Professional Magician/ Rawiyah – Stage Name**

- Performed the art of magic for various charity shows and organizations.
- Performed charity shows in India for underprivileged schools
- Performed entertainment for Corporations such as Cisco and Washington Hospital
- Gained valuable business experience in working own business and providing entertainment
- Professional site- <https://magic.rishishop.com>

AUGUST 2007 - JUNE 2009

## **Simply Gum/ Entrepreneur**

- I am a self-made entrepreneur since middle school
- I was selling various Condiments you can find at local grocery stores to students in my school.
- Gum was always the biggest attraction.
- Provided funding for my initial ideas in computer systems

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## **EOF- End Of File**

If you got to this section, I might be a good fit for your technology needs! Feel free to send me a chat/email/call with the information provided at the top of this Resume!