

VASUDEV ANANT BONGALE

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EDUCATION

North Carolina State University

RALEIGH, NC

Master of Science in Computer Networking

August 2018 - May 2020 (Expected)

Relevant Coursework: Operating System Principles, Computer & Network Security, Linux Networking

P.E.S Institute of Technology (aff. to Visvesvaraya Technological University)

BANGALORE, INDIA

Bachelor of Engineering in Electronics & Communications; GPA: 9.54/10

August 2011 - May 2015

Relevant Coursework: Computer Networks, Information theory, Microprocessors, Java Programming, Linear Algebra
Probability & Statistics, Calculus, Data Structures, Algorithms, Machine Learning.

EXPERIENCE

LinkedIn

BANGALORE, INDIA

Site Reliability Engineer

September 2017 - August 2018

- Designed and implemented pipeline in **Java** to increase **Hadoop** data compliance by 20% using **Gobbler** framework, **Hive** and **Azkaban**.
- Developed tools in **Python** for efficient monitoring towards fixing scalability and reliability issues of distributed products and services.
- Contributed to design decisions involving document data-store, **Couchbase** and real-time data stream processing framework - **Kafka**.
- Enhanced developer productivity by providing log based monitoring & analysis framework using Elasticsearch, logstash, Kibana (**ELK**).
- Developed a **Python Web-App** to gather real-time customer reviews & ratings on **LinkedIn** products connecting feedback to new features.
- Led internal **Dev-rotation** program successfully, by simultaneously taking on **cross functional roles** in Development and Reliability Eng.

INTUIT India Product Development Centre

BANGALORE, INDIA

DevOps Engineer

August 2015 - August 2017

DevOps Co-Op Engineer

Jan 2015 - July 2015

- Designed automation tools to optimize efficiency of ETL jobs by 30% using **Shell Scripts** and **Splunk** as primary monitoring tool.
- Extracted insights from **TurboTax** data to reason customer behaviour of moving from/to competitive products, driving new features.
- Cloud/AWS** - Designed tools to facilitate migration **Quickbooks Online (QBO)** backend infrastructure from Intuit data center to AWS.
- Designed models to perform scheduled tasks using **Lambda** and **AutoScaling** using key-value data stores for cluster consensus.
- Developed a **deployment pipeline** framework using **Python Fabric** to achieve 30% increase in speed and efficiency of code distribution.
- Built an **availability** monitoring web-app with AWS frontend to represent geo-locations of distributed applications increasing the post-incident analysis productivity by 60%.

PROJECTS AND RESEARCH

Secure Netcat: Python tool to emulate operations of netcat in a secure network channel implementing cryptographic principles. [CSC-574]

XINU: Developed new Process scheduling Policies in XINU Operating system using C.

[CSC-501]

Transient Imaging: Seeing the Unseen: Undergraduate Final year Thesis, Dept. of ECE, PESIT

Jan 2015 - May 2015

Developed a system to capture high speed motion picture of a scene using Coded Time of flight (TOF) and MATLAB mathematical analysis

Object detection and segmentation in video: Research project, Department of Computer Science, PESIT

May 2016 - March 2017

Worked on Caffe, deep learning framework along with LeNet & GoogleNet neural networks for feature extraction.

Real Time Non-invasive Cardiac Health Monitoring System [C1]: Dept. of ECE, PESIT

Aug 2013 - Oct 2013

"Real Time Non-Invasive Cardiac Health Monitoring System", International Conference on EMS-IEH, October 2013, AIIMS, New Delhi, India.

Australian Medical Journal, Volume 2, Page No.123, 2014

SKILLS

Proficient: Python, LINUX - **Red Hat Certified Engineer (RHCE)**, Shell Script

Intermediate: Java, C, ~~TEX~~ LaTeX, GoLang, JavaScript, MATLAB, Hadoop, AWS

Tools: Git, ELK, D3.js, Vagrant, Chef, Ansible

LEADERSHIP AND ACHIEVEMENTS

2015-18 Excellence

2016-2017 Organizer

2016-2017 Mentor

2016-2017 Organizer

2016 Winners (1/15)

2014 Presentation (25/1000+)

2014 Winners

2013 Team Lead

2013 Lead

Five 'Deliver Awesome' - employee Awards, Intuit, **Bravos** at LinkedIn

Organizing/presenting technical talks at *Next Gen Network(NGN)*, Intuit

Mentoring interns for projects design and implementation, Intuit

Community driving social causes - *We Care and Give Back*, Intuit

In24HRS Annual **Hackathon**, Intuit, NLP prototype

International **Conference** on EMS-IEH, October 2013, AIIMS, New Delhi, India [C1]

Best student project, IEEE International Conference, IC-IMPETUS

Prakalpa - Annual **Science fair**, PES University

IEEE community Newsletter, *IEEE Focus* Design team, PES University