VIVEK BHAT

+1-919-945-6947 **|** vbhat@ncsu.edu

2378 Champion Ct**,** Raleigh, NC **|** **Github**: github.com/VivekBhat **|** **LinkedIn**: linkedin.com/in/vivek-bhat **|** **Website**: http://vivekbhat.me

EDUCATION

- **North Carolina State University**   Raleigh, NC
  Master of Science, Computer Science, GPA – 3.7/4.0   Dec 2017
  Relevant Coursework: DevOps, Object Oriented Design Development, Software Engineering, Algorithms, DBMS, Computer Networks
- **Jamia Millia University**   New Delhi, India
  Bachelor of Technology, GPA – 8.3/10   May 2016

EXPERIENCE

INTEL - *Software Architect*   Jan 2018 - Present

Infrastructure Solutions

- Created highly available and highly redundant and fault tolerant system clusters on AWS for our customers
- Used services like AWS Lambda and Cloudwatch to reduce the infrastructure costs by 70%

Intel Saffron one-click Installer

- Used Ansible, Terraform, Docker Swarm, Docker Compose and Bash scripts to fully automate the process of the conventional installer for Intel Saffron
- Reduced the installation time by 50% and removed any margin of error

ELK Stack Project Owner

- Developed the new logging mechanism to visualize logs for Intel Saffron
- Used ELK stack and Beats to monitor and get logs from worker nodes
- Removed the NFS mounting of log directories and reduced the network latency to achieve a centralized logging system.

INTEL - *Post Sales Data Engineer Intern*   May 2017 - Aug 2017

Intel Saffron REST Client

- Developed Intel Saffron's Java REST tool that encapsulates the unique security protocol and complex API from scratch
- Earlier, creating one 'space' took more than an hour. Now, the customers can create thousands of SMB spaces in less than 5 minutes
- Its intuitive deliverable zip file and heavy documentation guide made SMB REST calls simpler and easier for the customer
- Reduced the engineer allocation time from 15.75 hours to 1 hour, 93.65% reduction in time, hence our company saved money

Saffron Automated Tool-Setup Client

- Revamped the conventional deployment strategy of the tool being built for an external agency by Intel
- The new technique deploys an up and running software (classified) on top of a Saffron base

SKILLS & INTERESTS

- **PROGRAMMING**: JAVA, Ansible, JavaScript, NodeJS, Knockout.js, ReactJS, JQuery, RUBY, Ruby on Rails, HTML5, CSS, Bootstrap, XML, JSON, Python, C, C++, JUnit, RSpec, Capybara, Cucumber, Selenium, Mocking, Mocha, Nock, Mockito, Chai.
- **DATABASES:** MySql, MariaDB, AWS Aurora, DynamoDB, AWS Redshift, Redis, Memcache, Postgres SQL
- **TOOLS & UTILITIES:** Terraform, Teamcity, JIRA, Docker, AWS, Kubernetes, Vagrant, Elasticsearch, Logstash, Kibana, Git, Maven
- **OPERATING SYSTEMS:** OS X El Sierra, Windows, Ubuntu, CentOS, Kali, Mint, Zorin

ACADEMIC/OTHER PROJECTS

- **Devops-Pipeline**, uses Ansible, Vagrant, AWS, Jenkins, Docker, Nginx, NodeJS (git.io/vHiiN)   Spring 2017
  Developed a DevOps pipeline to deploy, build and test a NodeJS and Java Application on remote EC2 instances (involved CM too).

Open Source Contribution:

- **EXPERTIZA**, uses Ruby On Rails, Docker-Compose, Redis (git.io/v1ixj)   fall 2017
  Created a fully automated shell script to help developers install the Expertiza. A docker-compose file manages the various images of Ruby, SQL and Redis to spin up the containers. Reduced the memory allocation for Expertiza by 18 GBs from conventional ways by using docker.

Hackathon Projects

- BitcoinBot in HACKNC 17 (UNC Chapel Hill, NC USA) (git.io/vFWAx)   fall 2017
  A multifunctional Amazon Alexa skill to help amateur investors with making an informative decision in buying bitcoin using just Alexa.
- **OptMeet** in **HACKNC 16** (UNC Chapel Hill, NC USA) (git.io/vXivE)   fall 2016
  Developed a web application that manages meeting friends at a convenient location using map.

LEADERSHIP AND PUBLIC SERVICE EXPERIENCE

- Chairperson of IEEE JMI Student Branch and IEEE JMI Computer Society (2015-2016).
- Vice-Chairperson of IEEE JMI Student Branch (2014-2015).
- Dr J. K. Pal Memorial Award for the Best IEEE Student member 2016 from IEEE Delhi Section of Region 10 Asia Pacific.
- Taught to underprivileged children at NGO SHRISHTI (Centre for child & adolescent mental health in New Delhi, India).
- Active member at the Goodwill Community Foundation in Durham, North Carolina