VIVEK BHAT

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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

- Create highly available, redundant and fault tolerant clusters on AWS for Intel Saffron customers
- Use services like AWS Lambda and Cloudwatch to reduce the infrastructure costs by 70%

Intel Saffron one-click Installer

- Completely automated the process of conventional SMB installation by "creating a pipeline using" Ansible, terraform, Docker Swarm, Docker Compose and bash technologies. This reduced installation time by 50% and removed any margin of human error.

SMB Centralized Logging Project Owner

- Developed the new logging mechanism to visualize logs for SMB using Elastic stack to monitor and get logs from worker nodes
- Removed the NFS mounting of log directories to achieve a centralized logging system which inturn reduced network latency.

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

Intel Saffron Java REST Client

- Designed and developed Saffron's Java REST tool encapsulating unique security protocols and complex API from scratch, which:
  - Enabled 10x faster API calls and space creation
  - Provided simpler and easy to use rest API calls for use by the customer
  - Reduced the PS team's engineer allocation time from 15 hours to 1 hour

Saffron Automated Tool-Setup Client

- Revamped the conventional deployment strategy for Saffron solutions built for Accenture and Pairity which enabled 2x faster....
- Enabled 2x faster deployment time for SMB solution

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 make 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.
- Provided teaching service at NGO SHRISHTI (Centre for child & adolescent mental health in New Delhi, India).
- Active member at the Goodwill Community Foundation in Durham, North Carolina

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