VIVEK BHAT

+1-919-945-6947 **|** vivek.bhat@intel.com

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

EXPERIENCE

INTEL - *Software Architect*   Jan 2018 - Present

Software Development Engineer, Professional Services:

- Developed API's in Java and Python to facilitate AI product REST querying and processing, enabling concurrency and faster results
- Successfully completed AI projects in client environments using various algorithms in conjunction with the AI product, adept at rapid prototyping for fast turnaround times in POC's and very well versed in interfacing with Clients.
- Delivered end to end client projects (POC's) integrating Data Science techniques under tight time lines

Cloud Infrastructure Solutions (AWS Certified Solutions Architect)

- Create highly available, redundant and fault tolerant clusters on AWS for Intel Saffron customers
- Implement services like AWS Lambda and Cloudwatch in infrastructure to reduce the costs by 70%
- Designed and implemented a highly available AWS architecture to migrate our conventional sales and demo servers to a centralized AWS infrastructure and reduced the costs by 60%

Intel Saffron one-click Installer

- Completely automated the process of conventional Saffron installation by creating a pipeline using Ansible, Docker, Docker Swarm and Bash scripting. This reduced installation time by 50% and removed any margin of human error.

Centralized Logging with Elastic stack, 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 in turn reduced network latency by 50%.

INTEL – *SDE Intern, Professional Services*   May 2017 - Aug 2017

Intel Saffron Java REST Client

Designed and developed Intel AI's Java REST tool encapsulating unique security protocols and complex API from scratch for classification and recommendation leveraging AI product and reducing the time to POC's.

This Enabled 10x faster API calls and space creation and provided simpler and easy to use rest API calls for use by the customer

EDUCATION

- **North Carolina State University**   Raleigh, NC
  Master of Science in Computer Science, GPA – 3.70/4.0   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

SKILLS & INTERESTS

- **PROGRAMMING**: Java, Ansible, Bash, Python, JavaScript, NodeJS, Make, Makefile, Knockout.js, JQuery, RUBY, Ruby on Rails, HTML5, CSS, Bootstrap, XML, JSON, C, C++, JUnit, Selenium, Mocking
- **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

OTHER PROJECTS

- **Devops-Pipeline**, uses Ansible, Vagrant, AWS, Jenkins, Docker, Nginx, NodeJS   (git.io/vHiiN)
  Developed a complete DevOps pipeline to deploy, build and test web applications on remote EC2 instances
- **Kubernetes-deployment,** uses Kubernetes, docker, AWS, Vagrant   (git.io/fNOKh)
  Created a 3 node cluster using Vagrant and AWS to deploy a multi-tiered microservices based application using Kubernetes and performed rolling updates of the updated docker images
- **Serverless Repos,** uses AWS-S3, Route53, API Gateway, Lambda   (git.io/fNlul)
  Collection of various AWS Lambda and serverless deployments such as a serverless REST API, S3 events, EC2 management etc

Hackathon Projects

- BitcoinBot in HACKNC 17 (UNC Chapel Hill, NC USA) uses AWS Lambda, NodeJS, Alexa Skills, Bash, Ansible   (git.io/vFWAx)
  A multifunctional Amazon Alexa skill to help amateur investors make an informative decision in buying bitcoin using just Alexa.

LEADERSHIP AND PUBLIC SERVICE EXPERIENCE

- President of IEEE JMI Student Branch and IEEE JMI Computer Society (2015-2016).
- Dr J. K. Pal Memorial Award for the IEEE Best Student member 2016 from IEEE Delhi Section of Region 10 Asia Pacific.
- Active member at the Goodwill Community Foundation in Durham, North Carolina