VIVEK BHAT

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**Summary**

Certified AWS Solutions Architect and Developer. Experienced software engineer, avid clean coder, adept at rapid prototyping, designing, developing, and deploying AI and Big Data solutions in an Agile environment.

**Core Technical Competencies**

**Programming** Java, C#, JavaScript, TypeScript, Angular, Python, Flask, Ansible, NodeJS, SQL

**Tools & Utilities** AWS, Azure, Spring Boot, Rally, Git, Docker, Elasticsearch, Logstash, Kibana, Maven

**Operating Systems** Linux, Unix, Windows, WSL, Macintosh

**Professional Experience**

## Microsoft, Redmond, WA, Software Development Engineer *June 2021 – Present*

## Project: Azure WAN WARP Networking Microservice

## Role: Backend Software Engineering

## Developed a feature that lets network engineers deploy configuration update to routers across the globe

## Created a mechanism to run python3 scripts and installing dependencies using pip on the fly for 1800+ routers

## Reduced configuration setup time to 50% by introducing caching of packages and hashing out cookies

## Intel, Hillsboro, Oregon, Software Development Engineer *January 2018 – June 2021*

## Project: Authentication Microservice *Nov 2020 – June 2021*

## Role:Backend Software Engineer

## Developing a scalable Spring Boot based microservice to submit Spark jobs in a Hadoop ecosystem

## Modernized data transfer across systems with 3x increase in throughput using Apache NiFi

## Created a CI/CD pipeline with 100% test coverage built for customers using Java, Docker, Gradle and Azure Pipelines

## Project: Retail Promotion Analytics (RPA) *Jan 2019 – Mar 2020*

## Role: Full Stack Engineer

## Designed and developed RPA UI and APIs, integrated user authorizations, sign-ups and sign-ins with AWS Cognito

## Led a team of interns, contract workers and Intel engineers on different aspects of the project

## Met an aggressive due date for product release accommodating 25% increase in scope

## Project: Intel Saffron, Rest API and Infrastructure *Jan 2018 – Oct 2018*

## Role:Software Engineer

## Designed and implemented APIs in Java and Python to facilitate REST querying and processing

## Enabled concurrency and 2x faster results in client environments with quick POCs

## Automated product installation with a high-quality pipeline using Ansible, Docker, Docker Swarm and Bash scripting that reduced installation time by 50%

## Intel, Software Engineering Summer Intern *May 2017 – Aug 2017*

## Engineered Intel Saffron’s Java REST API, encapsulating unique security protocols and complex classification and recommendation APIs. Enabled 10x faster API calls for the client user.

**Additional Projects**

**Personal Portfolio,** uses Angular, GitHub Actions for CI/CD, Karma for testing [**https://bhatvivek.com**](https://bhatvivek.com)

Personal secure portfolio/website hosted on GitHub pages with CI/CD for testing, building and deploying the application

**Serverless REST APIs**, uses AWS API Gateway, Lambda, Dynamo DB, NodeJS [**git.io/JfGEJ**](https://git.io/JfGEJ)

Engineered serverless restful webservices with Lambda functions operating on AWS Dynamo DB database

**Education**

**North Carolina State University, Raleigh, NC, USA**

**August 2016 – December 2017**

MS in Computer Science

**Jamia Millia University, New Delhi, India**

**June 2012 – July 2016**

Bachelor of Technology in Electronics and Communication Engineering

**Leadership and Volunteer Service**

## Board member of multiple Employee Resource Groups at Intel. Organized multiple socio-cultural events

## President of IEEE JMI Student Branch and IEEE JMI Computer Society (2015-2016)