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

- Owner of a service that lets users deploy configuration updates and interact with thousands of devices across the world
- Created a mechanism to run python3 scripts and installing dependencies using pip on the fly for thousands of 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**
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**
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)