VIVEK BHAT

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**Summary**

Dynamic and certified AWS Solutions Architect and Developer with over 7 years of professional experience in spearheading software development projects in globally recognized organizations.

**Core Technical Competencies**

**Programming** Java, JavaScript, Go, TypeScript, Angular, Python, Ansible, NodeJS, ReactJS, SQL, Terraform

**Tools & Utilities** AWS, Kafka, Flink, Git, Docker, Kubernetes, Elasticsearch, Logstash, Kibana, Gradle

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

**Professional Experience**

## HUGHES, Sr Software Development Engineer Nov 2023 – Present

## Collaborated with customers to gather requirements, engineer scalable solutions, and deploy and maintain software.

## Reduced AWS infrastructure monitoring costs by 65%, saving over $4K a month.

## Developed real-time Flink applications to analyze unbounded customer data streams and deliver ML solutions.

## Engineered CI/CD pipelines for enhanced development and deployment efficiency.

## AMAZON, Software Development Engineer June 2022 – Oct 2023

## Led the architecture, development, and deployment of highly scalable software solutions and microservices.

## Pioneered the “Frequently Bought Together” widget, leveraging AI/ML models, generating over $110K in revenue.

## Spearheaded the development of a high-throughput inventory catalog service, slashing ticket numbers by 20% and improving data freshness by over 10 hours.

## Engineered CI/CD infrastructure design, complete with monitoring, anomaly detection, and alarms.

## Played a pivotal role in 24/7 on-call rotations, addressing cross-team production challenges.

## Oversaw extensive online feature experiments, leveraging feature flags (A/B tests) and production traffic.

## Developed fully automated ETL solutions, empowering Amazon widgets with data generated by Machine Learning.

## MICROSOFT, Redmond, WA, Software Development Engineer June 2021 – June 2022

## Spearheaded the global device management microservice, enhancing seamless device interactions worldwide.

## Developed and implemented a system to dynamically execute Python3 scripts and manage dependencies for a vast network of routers.

## Established key performance metrics and monitoring tools for emerging services overseeing thousands of devices.

## Participated in 24/7 on-call rotations to troubleshoot production issues across cross-functional teams.

## Achieved a 50% reduction in config setup time through strategic caching and package management enhancements.

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

## Pioneered a scalable Java Spring Boot microservice to efficiently process Spark jobs within a Hadoop ecosystem.

## Amplified data transfer rates across systems, achieving a 3x boost in throughput via Apache NiFi integration.

## Orchestrated robust CI/CD pipelines tailored for client needs, utilizing Java, Docker, Gradle, and GitHub Workflows.

## Commanded the project, liaising with stakeholders to craft and execute an Angular UI alongside Java APIs.

## Seamlessly integrated user authentication processes with AWS Cognito for sign-ups and sign-ins.

## Conceptualized and rolled out a comprehensive logging solution using Elasticsearch, Logstash, and Kibana.

## INTEL, Software Engineering Summer Intern May 2017 – Aug 2017

## Engineered Intel Saffron's Java REST API for AI services, incorporating specialized security measures and intricate classification/recommendation modules.

## Devised an Ansible playbook to facilitate the deployment of AI services on AWS, slashing setup time by a notable 90%.

**Education**

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

**Aug 2016 – Dec 2017**

MS in Computer Science

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

**June 2012 – July 2016**

Bachelor of Technology in Electronics and Communication Engineering