

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