# VIVEK BHAT

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## SUMMARY

Dynamic and certified AWS Solutions Architect and Developer with over 6 years of professional experience in spearheading software development projects in globally recognized organizations. Recognized for ownership, deep dive, rapid prototyping, and deploying clean and robust software solutions aligned with Agile methodologies.

## CORE TECHNICAL COMPETENCIES

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|---|---|
| **Programming** | Java, JavaScript, TypeScript, Angular, Python, Flask, Ansible, NodeJS, ReactJS, SQL |
| **Tools & Utilities** | AWS, Azure, Spring Boot, Rally, Git, Docker, Kubernetes, Elasticsearch, Logstash, Kibana, Gradle |
| **Operating Systems** | Linux, Unix, Windows, WSL, Macintosh |

## PROFESSIONAL EXPERIENCE

### AMAZON, Software Development Engineer — June 2022 – Sep 2023

**Project:** Amazon Same Day Store
- Led the architecture, development, and deployment of 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

**Project:** Azure WAN WARP Networking Microservice
- 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

**Project:** Fab Authentication Microservice — Nov 2020 – 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.

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