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## SUMMARY

AWS Certified Developer and Solutions Architect with experience designing, developing and deploying AI and Big Data solutions in an Agile environment. Avid clean coder and adept at rapid prototyping for fast turnaround times in POCs.

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## 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

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## CORE TECHNICAL COMPETENCIES

<b>Programming</b>	Java, JavaScript, TypeScript, Angular, Python, Flask, Ansible, NodeJS, SQL
<b>Tools &amp; Utilities</b>	AWS, Azure, Spring Boot, Rally, Git, Docker, Elasticsearch, Logstash, Kibana, Maven
<b>Operating Systems</b>	Linux, Unix, Windows, WSL, Macintosh

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## PROFESSIONAL EXPERIENCE

**Intel, Hillsboro, Oregon, Software Development Engineer**

**January 2018 – To Date**

**Project:** LTD Microservice Commons

**Nov 2020 – To Date**

**Role:** Backend Software Developer

- Developing a scalable Spring Boot based microservice to submit Spark jobs in a Hadoop ecosystem
- Refactored LDAP and Kerberos authentication microservice to be used as a dependency from an internal Artifactory
- Created a CI/CD pipeline with **100% test coverage** built for customers using Java, Docker, Gradle and Azure Pipelines

**Project:** Centralized Data Repository

**Mar 2020 – Nov 2020**

**Role:** Big Data Engineer

- Developed and improved a centralized data lake that holds datasets across Intel to accelerate data analysis solution
- Modernized data transfer between different systems with **3x increase** in throughput using Apache NiFi
- Implemented enterprise grade fault tolerance, **monitoring** and flexibility for multiple datatypes and data sources

**Project:** Retail Promotion Analytics (RPA)

**Jan 2019 – Mar 2020**

**Role:** Full Stack Developer

- Designed and developed RPA UI and APIs, integrated user authorizations, sign-ups and sign-ins with AWS Cognito.
- Lead and trained a team of interns, contract workers and staff members on how to make minor updates and changes.
- Successfully released the product before due date and accommodated **25% increase** in scope during iteration.

**Project:** Intel Saffron, Rest APIs and Infrastructure

**Jan 2018 – Oct 2018**

**Role:** Software Developer

- Developed API's in Java and Python to facilitate REST querying and processing
- Enabling concurrency and **2x** faster results in client environments with quick POCs
- Automated the process of conventional installation by creating a pipeline using Ansible, Docker, Docker Swarm and Bash scripting which reduced the installation time by **50%** and removed any margin of human error

**Intel, Cary, North Carolina, SDE Summer Intern**

**May 2017 – Aug 2017**

- Developed Intel Saffron's Java REST API, encapsulating unique security protocols and complex API classification and recommendation, leveraging an AI product and reducing the time to POC's.
- The tool enabled 10x faster API calls and provided simpler and easy to use rest API calls for the client user.

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## 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**

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

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## LEADERSHIP AND VOLUNTEER SERVICE

- Organized multiple socio-cultural events at Intel and was board member of multiple Employee Resource Groups
- Served as the President of IEEE JMI Student Branch and IEEE JMI Computer Society (2015-2016)