Vivek Bhat

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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**.**

CORE TECHNICAL COMPETENCIES

Programming	Java, JavaScript, TypeScript, Angular, Python, Flask, Ansible, NodeJS, HTML5, CSS, Bootstrap
Databases	MySQL, MariaDB, AWS Aurora DB, DynamoDB, Redis, Memcache, Postgres SQL
Tools & Utilities	AWS, Rally, Git, GitLab, GitHub, Docker, Elasticsearch, Logstash, Kibana, Maven
Operating Systems	Mac OS, Windows, Ubuntu, CentOS, Kali, Mint, Zorin

EDUCATION

North Carolina State University, Raleigh, NC, USA
MS in Computer Science **August 2016 – December 2017**

Jamia Millia University, New Delhi, India
Bachelor of Technology in Electronics and Communication Engineering **June 2012 – July 2016**

PROFESSIONAL EXPERIENCE

Intel, Hillsboro, Oregon, Software Development Engineer ***January 2018 – To Date***

Project: Central Data Repository *March 2020 – To Date*
Built a centralized location/data lake that holds datasets across Intel to accelerate data analysis solution.
- Modernized data transfer between different systems with **3x performance improvement** in throughput using NiFi
- Created CI/CD pipeline with **100% test coverage** of NiFi pipelines built for customers using Java, Docker, Gradle etc
- Implemented enterprise grade fault tolerance, monitoring and flexibility for multiple datatypes and data sources

Project: Retail Promotion Analytics (RPA) *Jan 2019 – Mar 2020*
RPA predicts the ROI of future promotions for the retailers like Target, Whole Foods etc. using AI and ML models. App architecture utilizes AWS, Serverless and a 3-tier architecture to provide promotions and predictions for products.
- 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 – May 2018*
As part of the Professional Services team, we developed and delivered AI solutions and POCs for multiple customers
- Developed API's in Java and Python to facilitate REST querying and processing, enabling concurrency and 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

Project: Intel Saffron, Logging with Elastic stack *May 2018 – Oct 2018*
- Developed new logging mechanism to visualize logs using Elastic stack to monitor and get logs from worker nodes.
- Removed the NFS mounting of log directories achieving a centralized logging system, reducing network latency by **50%**.

Intel, Cary, North Carolina, SDE Summer Intern *May 2017 – Aug 2017*
- As an intern, 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.

ADDITIONAL PROJECTS

Personal Portfolio, uses Angular, GitHub Actions for CI/CD, Karma for testing **https://vivekbhat.me**
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

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)