VIVEK BHAT

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https://vivekbhat.me

SOFTWARE DEVELOPMENT ENGINEER

AWS Certified Developer and Solutions Architect with experience designing, developing and deploying solutions for clients in an Agile environment. Avid clean coder. Demonstrated design and delivery of end to end complex AI solutions in the Cloud. Collaborative communicator adept at working with internal and external cross-functional teams to drive various initiatives. Adept at rapid prototyping for fast turnaround times in POC's

CORE TECHNICAL COMPETENCIES

PROGRAMMING	JavaScript, TypeScript, Angular2+, Java, 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

Master of Science in Computer Science - North Carolina State University**,** Raleigh, NC, USA
Bachelor of Technology - Jamia Millia University**,** New Delhi, India

EXPERIENCE

INTEL, Hillsboro, Oregon USA

Project: Retail Promotion Analytics (RPA), Team Lead **Jan 2019 - present**

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 conventional 3-tier architecture to display and update promotions

- Designed and developed RPA, including authorizations, sign-ups and sign-ins with AWS Cognito authentication
- Lead and trained a team of interns, contract workers and staff members on how to make minor updates and changes
- Interacted and engaged with clients every week to understand their needs and incorporate those requirements
- Successfully released the product before due date and accommodated **25% increase** in scope during iteration

Project: Central Data Repository **Oct 2018 – Dec 2018**

A centralized location/data lake that holds datasets across Intel to accelerate data analysis solution

- Successfully implemented error handling and mailing mechanism in Scala for the failing data ingestions
- Automated the ingestion process which Increased the data ingestion speed by **2x**

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 to achieve a centralized logging system which in turn reduced network latency by **50%**

INTEL, SDE Summer Internship – Cary, North Carolina **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

https://vivekbhat.me, uses Angular 9, GitHub Actions for CI/CD, Karma for testing
Personal portfolio/website hosted on github pages with CI/CD for testing, building and deploying the application

LEADERSHIP AND VOLUNTEER SERVICE

- Organized multiple socio-cultural events at Intel and was board member of multiple Employee Resource Groups
- President of IEEE JMI Student Branch and IEEE JMI Computer Society (2015-2016)
- Dr J. K. Pal Memorial Award for the IEEE Best Student member 2016 from IEEE Delhi Section