

Supreeta Anand Byatnal

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EDUCATION

New York University

Master of Science, Computer Science

- **Relevant Coursework** - DevOps & Agile method, Cloud Computing, Algorithms, Databases, Operating Systems
- **Affiliations** - Rewriting the Code, Women Who Code, Codepath, Girls Who Code, GHC23, WE23

BMS College of Engineering

Bachelor of Engineering, Computer Science — GPA - 3.94

New York City, NY

Sep. 2022 – May 2024

Bangalore, IN

Aug. 2016 – May 2020

EXPERIENCE

Software Engineer Intern

Sovos

Jun. 2023 – Nov. 2023

Wilmington, MA

- Revamped a SaaS monolithic application into microservices using Java 17, improving modularity and maintainability
- Devised REST APIs for mapping location codes, boosting scalability by 60% and enhancing data retrieval efficiency.
- Optimized unit testing with Mockito, reducing defects by 70% and testing time by 75%, ensuring high-quality code

Software Development Engineer II

McAfee

Aug. 2020 – Jun. 2022

Bangalore, IN

- Minimized policy scanning and violation detection times by 50% for AWS, Azure, and GCP cloud resources in Java
- Led the development of the Continuous Evaluation feature enforcing compliance checks, adopted by 80% of customers
- Utilized AWS CloudWatch for activity monitoring of 600+ events, integrated with Kafka for real time processing
- Implemented APIs for faster, accurate incident recognition and boosting reporting efficiency, adopted by 1,500+ companies
- Fixed 50+ complex S3 policy bugs using Java and RESTful APIs, enhancing stability and speeding up issue resolution
- Crafted a python script to automate the termination of unused AWS resources, cutting cloud costs by 40%

Software Engineer Undergraduate Intern

McAfee

Feb. 2020 – Aug. 2020

Bangalore, IN

- Spearheaded the development of REST APIs in Java for crate database migrations, achieving a 99% success rate.
- Implemented CI/CD Jenkins processes by automating over 1,000 test cases using Pytest, reducing manual testing efforts
- Achieved 97% code coverage using JUnit and Mockito for unit and integration testing for multiple java micro-services

Software Analyst Intern

Deloitte

Jun. 2019 – Aug. 2019

Hyderabad, IN

- Dockerized and deployed a high-traffic monolithic application (62,000 RPM) on Kubernetes using Helm Charts
- Orchestrated REST APIs with Spring Boot for inter-service communication, implemented service discovery with Eureka

SKILLS

Languages: Java, Python, C++, Javascript, PHP, HTML, C#

Databases & Operating Systems: MySQL, JDBC, PostgreSQL, DynamoDB, MongoDB, Linux, MacOS, Windows

Cloud Platforms: AWS : S3, SNS, Lambda, IAM, EC2, RDS **Azure** - Storage Account **GCP**- Cloud storage

Tools & Other Frameworks: CloudFormation, Git, SVN, Docker, Kubernetes, Jenkins, Harness, Maven, Jira, Spring, Spring Boot, Terraform, MERN Stack, REST APIs, Flask, Django, OpenShift, SQLAlchemy, Azure DevOps, SDLC, ElasticSearch

PROJECTS

Ecommerce Wishlist Microservice | *Python, Flask, Swagger OpenAPI, Docker, Kubernetes, Git, Kanban*

2023

- Developed a Python-based wishlist microservice with Docker on Kubernetes in IBM Cloud, using CI/CD pipelines with Flask, Swagger API documentation in an Agile teams in sprints using Kanban board tracking
- Employed TDD (98% coverage) and BDD for integration testing before merging on the Git feature branch

VideoVerse | *AWS Lambda, S3, SNS, DynamoDB, GCS, IBM Cloud, HTML, CSS, Berry P2P*

2024

- Pioneered VideoVerse, a decentralized P2P video editing platform utilizing AWS, GCP, and IBM Cloud
- Designed and built features like video summarization, celebrity recognition and video transcription significantly enhancing accessibility and boosting user engagement by over 40%

Coin Tracker | *React, MongoDB, NodeJS, ExpressJS, Postman*

2023

- Engineered a scalable full-stack expense tracker application with APIs to seamlessly handle data management and integration, resulting in 30% reduction in data processing time and efficient income and expense tracking

Real-Time Shipping Rate Optimization | *PHP, Shopify Bespoke, Metafields Guru, FedEx API*

2024

- Elevated the accuracy of DIGGS' backend shipping cost calculations by 40% through seamless integration of FedEx API into the Shopify platform, saving the company over \$6 per shipment.