

YASH BHATIA

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Education

Northeastern University

Sep 2022 – May 2024

Master of Science in Information Systems

GPA 3.72/4

Technical Skills

Languages: Python, Java, C, JavaScript, Node JS, Express JS, React JS, HTML/CSS, Linux Shell Scripting

Cloud & IaC: AWS, GCP, Terraform, EC2, RDS, VPC, ELB, Lambda, CloudWatch, DNS, Route53, SES, SNS

Database: MySQL, MongoDB, Amazon DynamoDB, PostgreSQL

Tools: Git, Docker, Jenkins, Kubernetes, ArgoCD, Prometheus, Postman, JIRA

Experience

Northeastern University

Jan 2024 – Apr 2024

Teaching Assistant

Boston, MA

- Assisted 200 students in weekly assignments, conducted grading sessions, and facilitated lab sessions covering Git, GitHub Actions, **Terraform** for Infrastructure as Code (IaC), AWS, and GCP.

Accenture Solutions Pvt Ltd

Feb 2021 – Jul 2022

Software Developer Associate

Mumbai, MH

- Spearheaded **REST API** web service **Java** development using **Spring Boot**, enhancing backend scalability and achieving a 32% increase in application performance through strategic optimizations.
- Championed Test-Driven Development (**TDD**) by creating over **100** unit tests with **JUnit** and Spring Test, significantly reducing post-deployment bugs.
- Streamlined deployment by creating and managing **CI/CD** pipelines with **Jenkins**, integrating **GitHub**, and automating **AWS** deployments, cutting manual work by **54%**.
- Designed **Linux** shell scripts for automation processes, increasing efficiency by 63%.

Trivia Softwares

Jun 2018 – Aug 2018

Python Developer Intern

Mumbai, MH

- Developed RESTful web services using **Django** Framework that integrated with a **MongoDB** database, improving application scalability by **40%**.
- Collaborated with the front-end team to integrate **Angular** framework, reducing page load times by **15%**, and employed **Tailwind CSS** for a modern and responsive user interface.

Projects

Netflix - DevSecOps | TypeScript, AWS, Kubernetes, ArgoCD, Helm

Jan 2024

- Led application deployment on **AWS**, leveraging **Docker** to boost application portability across diverse environments.
- Implemented a **Jenkins** based CI/CD pipeline, including code quality checks with **SonarQube** and Trivy, cutting deployment times by 40%.
- Engineered a **Prometheus** and **Grafana** monitoring system, enabling real-time performance and health insights.
- Optimized **Kubernetes** deployments with **ArgoCD** and **Helm**, streamlining updates and continuous delivery.

Learning Management System | NodeJS, Sequelize, MySQL, AWS

Dec 2023

- Accelerated CSV parsing with a **CSV-parser**, achieving high throughput, and strengthened security using **bcrypt**.
- Seamlessly synchronized complex data models with the database schema through **Sequelize**, and skillfully engineered secure **REST API** endpoints, handling 1000+ concurrent requests with robust security and data validation.

IaC & CI/CD | AWS, GCP, Terraform, Packer, Git

Dec 2023

- Orchestrated GitHub Actions **CI/CD** pipeline with Packer based custom **AMI** creation and application deployment.
- Reduced EC2 provisioning time by **50%** with **Terraform** IaC by utilizing Load Balancers for enhanced **AWS** automation.
- Implemented Serverless computing with **Lambda** functions to seamlessly track details in **DynamoDB**, and optimizing data storage by efficiently storing information in Google **Buckets**.

Airline E-commerce | Java Spring Boot, MySql, AngularJS, Thymeleaf

Aug 2023

- Developed a web application using **Spring Boot**, Spring data JPA and MySQL where users can login and book a flight.
- Created an Integration layer RESTful API for flight check-in microservice to check in passengers with reservations.
- Designed front end templates using **Thymeleaf** and styled them using **Bootstrap** and CSS.