

# YASH BHATIA

65 Burrell St, Boston, MA 02119

☎ 857-313-4049 ✉ [ybhatia500@gmail.com](mailto:ybhatia500@gmail.com) 🔗 [linkedin.com/yashbhatia](https://linkedin.com/yashbhatia) 🌐 [bhatiyash](https://bhatiyash.com)

## Summary

Result-oriented Software Engineer with 2+ years in application development, cloud computing, and DevOps. Skilled in Java, JavaScript, Python, and AWS, I excel in creating scalable solutions and robust CI/CD pipelines. Proven leadership in project execution and performance optimization, with strong communication and multitasking skills in high-pressure environments.

## Education

### Northeastern University

*Master of Science in Information Systems*

Sep 2022 – May 2024

GPA 3.72/4

### University of Mumbai

*Bachelor of Engineering in Electronics and Telecommunication*

Sep 2016 – Jun 2020

GPA 8.06/10

## Technology Summary

- Software Development
- Agile Methodologies
- Cloud Computing
- RESTful Web Services
- Testing & Documentation
- Containerization & Orchestration

## Technical Skills

**Languages:** Python, Java, C, NodeJS, ReactJS, Redux, Linux Shell Scripting

**Database:** MySQL, SQL Server, MongoDB, Amazon DynamoDB, PostgreSQL

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

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

## Experience

### Northeastern University

*Teaching Assistant - Cloud Computing*

Jan 2024 – Apr 2024

Boston, MA

- Orchestrated lab workshops for 200+ students focused on Infrastructure as Code (IaC) using **Terraform** and **GCP**.
- Facilitated hands-on lab sessions on **GitHub** Actions to implement **CI/CD** pipelines, enhancing student's proficiency on industry-standard DevOps practices.
- Conducted sessions on automating machine images using **HashiCorp** Packer for infrastructure provisioning and streamlining deployment processes.

### Accenture Solutions Pvt Ltd

*Software Developer Associate*

Feb 2021 – Jul 2022

Mumbai, MH

- Migrated client applications to cloud-hosted microservices using **Java EE** and **Spring Boot**, achieving a 32% increase in modularity and re-usability across **AWS** platform.
- Championed Test-Driven Development (**TDD**) of **REST API** by creating **50+** unit tests with **JUnit** and Spring Test, significantly reducing post-deployment bugs.
- Leveraged software design patterns to improve software architecture, enhancing team communication and achieving a **20%** increase in code efficiency and maintainability.
- Streamlined automated deployment by creating and managing **CI/CD** pipelines with **Jenkins**, decreasing overall downtime of applications by **98%**.
- Containerized microservices using **Docker** and managed them with least downtime.
- Designed **Linux** shell scripts for automation processes, increasing efficiency by 63%.
- Recorded all technical, implementations, and status updates within **JIRA** while working on agile methodology.

### Trivia Softwares

*Python Developer Intern*

Jun 2018 – Aug 2018

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 **ReactJS**, reducing page load times by **15%**, and employed **Tailwind CSS** for a modern and responsive user interface.
- Diligently analyzed API logs with **Splunk**, showcasing strong problem-solving to cut production bugs by **80%**

## Projects

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### 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%.
- Created Docker images, successfully pushing them to Docker registries to streamline deployment processes and enhance application scalability.
- 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, GCP, Pulumi, Packer, Git*

Dec 2023

- Accelerated CSV parsing with a **CSV-parser**, achieving high throughput, and strengthened security using **bcrypt**.
- Synchronized data models with **Sequelize**, engineering REST API endpoints that handles 1000+ concurrent requests.
- Orchestrated GitHub Actions **CI/CD** pipeline with Packer based custom **AMI** creation and application deployment.
- Leveraged **Pulumi** for Iac, creating VPC, subnets, ELB, Launch Templates, Route53, RDS and Cloudwatch.
- Reduced EC2 provisioning time by **50%** with **Pulumi** (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.
- Implemented logging features and defined custom log rotation policies to log information to an external log file.

### Bookstore Management System | *Oracle, PL/SQL*

Apr 2023

- Developed a comprehensive system, handling customer, bookstore, and inventory details, and implemented **20+** procedures, functions, and packages, enhancing the functionality and performance of the database
- Optimized **SQL** queries and indexing strategies, resulting in a **45%** reduction in query response time and improved overall system performance.
- Implemented robust validation rules and access controls, ensuring data integrity and security for a database with **10,000+** records.
- Created dynamic charts and graphs using data visualization tool **Tableau** to present data patterns and making data analysis more accessible, also facilitating data-driven decision-making for management and marketing strategies.

## Awards & Achievements

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### Accenture Solutions Pvt Ltd

Feb 2021 - Jul 2022

*Software Developer Associate*

- Awarded as an ACE winner in FY22 Q1 at Accenture.
- Recognized for the "Bright Beginning" award by the Team Lead
- Recognized for "Doing good together/volunteering" award by the team.