

YASH BHATIA

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EDUCATION

Master of Computer Software Engineering

Northeastern University, Boston, MA

May 2024

3.7/4.0 GPA

Bachelor of Electronics & Telecommunication Engineering

University of Mumbai, Mumbai, MH

Oct 2020

8.06/10 CGPA

TECHNICAL SKILLS

Programming: Python, Java, Javascript, Go, C#, SQL, Linux command line, HTML/DOM, CSS

Cloud & CI/CD: AWS (EC2, S3, DynamoDB, Route53, CDN), Azure, Kafka, JUnit, Jenkins, Docker, Kubernetes, Git

Database: MySQL Server, MongoDB, PostgreSQL, NoSQL, Oracle, MariaDB

Other: Agile SDLC, Microservices, Object-Oriented Design, Design Patterns, Distributed Systems, Reliability and Scaling

PROFESSIONAL EXPERIENCE

Northeastern University: Graduate Teaching Assistant

Jan 2024 – May 2024

- Assisted 200+ students in DevOps and Cloud practices, and facilitated lab sessions covering Git, GitHub Actions for CI/CD, **Terraform** for Infrastructure as Code (IaC), AWS, and GCP.
- Provided support in networking technology, key networking protocols (TCP/IP, DNS), and **Linux** administration.

Accenture: Software Developer Associate

Feb 2021 – July 2022

- Engineered full stack features for an enterprise application using **Java Spring** and Hibernate, leading to an optimized low-level code flow and a notable 20% reduction in feature implementation time.
- Achieved a 15% reduction in API response time by optimizing database schema using indexing strategies in **MySQL**.
- Facilitated web app speed through **Redis** caching, and real time processing, improving job startup time by 300%.
- Managed deployments on Tomcat and workflows with Apache **Spark**, boosting data processing efficiency by 25%.
- Saved an estimated 50 hours of development time a month by implementing multiple automation workflows to optimize team processes using **AWS** lambda, AWS Batch, and Python/Shell scripting.

Trivia Softwares: Software Developer Intern

Jun 2020 – Jan 2021

- Improved the data transfer capacity to 5x by redesigning the User deprovisioning module in **Python** to process over 50,000 records asynchronously, previously at max 10,000 per execution.
- Collaborated with product managers and cross-functional teams to enhance UX of 12 workflow modeling nodes in **ReactJS**, emphasizing page load time and ensuring code readability.
- Redesigned backend of an e-commerce app based on **Django** and PostgreSQL, boosting user engagement by 25%.

PROJECTS

KubePilot | Go, Ansible, Docker, Helm, Linux, Kafka ([GitHub](#))

- Engineered a highly scalable microservice consisting of 5 services using **K8s** Operator written in Go.
- Streamlined infrastructure management with Terraform and **Jenkins**, to achieve deployments under 3 minutes.
- Implemented readiness, liveness probes for application health, and set up logging with **ElasticSearch**, and Kibana.

Learning Management System | NodeJS, MySQL, AWS ([GitHub](#))

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

IaC & CI/CD - DevOps | AWS (EC2, S3, DynamoDB, Route53, SQS), GCP ([GitHub](#))

- Reduced EC2 provisioning time by 50% with **Pulumi** IaC by utilizing Load Balancers for enhanced AWS scaling.
- Implemented assignment submission via GCP bucket using Lambda functions triggered by SNS notifications.

Netflix - DevSecOps | TypeScript, AWS, SonarQube ([GitHub](#))

- Optimized Kubernetes deployments with **ArgoCD**, Helm and Docker, enhancing system reliability by 45%.
- Implemented Jenkins CI/CD pipeline and set up observability using **Prometheus** and Grafana for 24*7 monitoring.