

Yash Barange

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Experienced Software Developer with extensive expertise in **Software Development** and **Cloud Technologies**, specializing in **Java, Spring Boot, RestAPI, Micro-services, PostgreSQL, Kubernetes, and Docker**. Proficient in developing, deploying, and optimizing Python-based solutions, with hands-on experience in **GCP** and **AWS**, and a good understanding of **System Design**. Achievements include developing a **SaaS product** from scratch, **increasing system efficiency by 25%**, and **reducing operational costs by 15%**. Known for a commitment to continuous learning, applying expertise to drive innovation and improve software development processes.

EXPERIENCE

- **Cognizant** Bengaluru
Software Engineer Nov 2023 - Present
 - Migrated product services to **cloud-native and serverless** architectures for improved scalability and efficiency.
 - Designed a **cloud-agnostic**, scalable, and efficient microservice backend architecture with over 20 microservices. **Enhanced the existing architecture, increasing system performance by 25% application.**
 - Developed more than **25 REST APIs**, handled **SQL databases** with complex queries, and led teams of up to **three members**.
 - Created and maintained a **Java package** to optimize product usage, **improving efficiency by 20%** through increased **code reusability and standardization**.
 - Collaborated with the Infosecurity team to address and resolve security issues. utilizing tools such as **Checkmarks, SonarQube, Prisma Vulnerability Tool, Google Security Center (SCC)** to identify and mitigate key security vulnerabilities, emphasizing the importance of **security** as a top priority.
 - Implemented **Jenkins CI/CD** by following Industry best practices and migrated it to **Gitlab CI** as part of **GitOps** Approach making it developer friendly and for streamline software delivery.
 - Developed a Centralized GCP costing Dashboard For Stakeholders using **Google Big Query and Looker Studio**.
 - Actively been part of doing **cost optimization** using native GCP resources such as **Cloud functions, Pub/Sub, Cloud Scheduler** for automatic Shutdown of node pools and database server for lower environments
 - Executed a comprehensive analysis of backend performance, **identifying and rectifying key bottlenecks**; this initiative led to a **50% increase in system response times** and **improved operational efficiency**
- **Cognizant** Bengaluru
Software Engineer Oct 2022 - Nov 2023
 - Executed the complete implementation of client-specific PoCs; this initiative streamlined data processing, achieving a **reduction in processing time by 25 percent** for the underwriting team.
 - Implemented diverse upstream and downstream mechanisms based on client requirements, including **SFTP, S3, GCS, email, and various API endpoints**.
 - Implemented features and design modifications that **reduced underwriting submission intake time by 30%** and **optimized cloud resources**, resulting in a **15% reduction in project costs**
 - Utilized a wide range of GCP services, including **Scheduler, Pub/Sub, Cloud Tasks, VM Instances, Cloud Functions, Cloud Run, Secret Manager, Storage Cloud SQL**.
 - Worked on various AWS services, such as: **Lambda, SQS, RDS, S3, EC2, ECS, EKS, API Gateway, Cognito and EKS**.
 - Established a robust **CI/CD** pipeline using **Jenkins**, adhering to industry standards, leading to a 20% increase in deployment speed.
 - Implemented **Unix shell scripts** for generating query outputs into downstream feed files.
 - Configured **ingress controllers, secrets, configmaps, deployments and services** within Kubernetes clusters.
- **Cognizant** Bengaluru
Programmer Analyst Trainee Jan 2022 - July 2022
 - Completed training in **Spring Boot, Docker, Kubernetes, AWS and GCP Cloud Infrastructure and Linux/OS concepts**.
 - Developed a Pharma portal using **Spring Boot, AWS RDS, S3, ELB and EC2**.

Affimintus Technologies

Software Developer Intern

Indore

June 2019 - Sept 2019

- Designed and built a web application frontend using **React Js**.
- Created **RESTful** APIs leveraging Spring Boot (**Spring REST, JPA, MySQL Connector**), Lombok, and **Spring Security** for robust functionality and security.
- Containerized APIs using **Docker**, significantly reducing image size by 60% through multi-stage builds.
- Deployed optimized API containers to **AWS Elastic Container Service (ECS)** for scalability and **AWS Elastic Beanstalk** for additional deployment flexibility.

TECHNICAL SKILLS

- **Languages:** Java, Python
- **Data Structures and Algorithms (DSA)**
- **Object Oriented Programming (OOP)**
- **Operating System and IDE:** Linux, Jupyter Notebook, Visual Studio Code, Postman
- **Technologies**
 - **IAAC:** Terraform, AWS CloudFormation
 - **Infra:** AWS, GCP
 - **Containerisation:** Kubernetes, GKE, Istio, Docker, Podman, Cri-O, Containerd, EK
 - **CI/CD:** Jenkins, Gitlab CI, AWS Code Build, AWS Code Deploy
 - **Scripting:** Bash Scripting, Python
 - **SCM:** Git/GitHub, Gitlab, AWS Code Commit, GCP Cloud Source Repositories
 - **Security:** SonarQube, Prisma, Checkmarks, SCC
 - **Monitoring:** Prometheus, Grafana, Google Monitoring, Cloudwatch, Stack Driver
 - **Database:** Sybase, MSSQL, Oracle

CERTIFICATIONS

- **Certified Kubernetes Application Developer** 2024
- **Professional Cloud Architect** 2024
- **Associate Cloud Engineer** 2024
- **AWS Certified Solutions Architect** 2024
- **AWS Cloud Practitioner** 2023

EDUCATION

- **Shri Balaji Institute of Technology and Management**

Betul

B.Tech in Computer Science: CGPA: 8.42/10

August 2017 - September 2021

ACCOMPLISHMENTS AND RESPONSIBILITIES

- Awarded **Project Pivot** for being Team Player in Q3 Duration. Cognizant-2024
- Awarded **ADM RBP Software Engineer** for Innovative ideas and Problem Solving in H2 Duration. Cognizant-2023
- Awarded **ADM RBP Jr. Software Engineer** for Innovative ideas and Problem Solving in H2 Duration. Cognizant-2022