PASAPALA BHUVANESH

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HackerRank | **GitHub** | **LeetCode** | **LinkedIn** | **CodeChef**

OBJECTIVE

A passionate and detail-oriented **Full-Stack and DevOps Engineer** with hands-on experience in developing and deploying scalable applications using **NestJS, Node.js, React.js, and AWS**. Skilled in building high-performance microservices and integrating systems using **Apache Kafka** for large-scale message handling. Seeking opportunities to contribute to robust backend architectures, DevOps automation, and cloud-native solutions that deliver real-world impact.

WORK EXPERIENCE

Specialist Programmer   **Infosys, Bengaluru**
Sep 2024 - Present

- Contributing to the development of **Cube Integration Hub (CIH)**, a centralized integration platform connecting downstream and upstream services.
- Designed and implemented APIs in **NestJS**, processing incoming payloads with correlationId, messageId, and processingStatus for validation and response handling.
- Integrated **Apache Kafka** for asynchronous message handling between microservices, enabling the system to process large payloads and numerous concurrent messages with high throughput.
- Built services to extract, store, and update payload data efficiently using **AWS S3** and **PostgreSQL**, ensuring accurate downstream processing.
- Completed training in MERN stack development and built capstone projects **ArtHub** (art marketplace) and **E-Pharmacy** (medicine ordering platform).
- Hands-on experience in building full-stack applications using React.js, Node.js, Express, and MongoDB.

Cloud Production Engineer Intern   **Chargebee, Chennai**
March 2024 - June 2024

- Streamlined and maintained the Chargebee application on AWS Cloud Infrastructure.
- Analyzed, debugged, and resolved cloud incidents and service requests.
- Used tools such as Splunk, DataDog, and CloudWatch for monitoring.
- Ensured compliance with security standards and best practices in cloud infrastructure management.

SKILLS

Programming Languages:	C++,Typescript,JavaScript, Python, SQL
Databases:	PostgreSQL, MySQL, MongoDB
Frameworks:	Express.js, React.js, Node.js, NestJS, Flask, Kafka
Orchestration Tools:	Docker, Kubernetes
DevOps Tools:	Git, GitHub, Linux, RHEL, Terraform, Splunk
AWS Services:	EC2, RDS, VPC, EKS, ECS, Lambda, Session Manager
Soft Skills:	Teamwork, Communication, Leadership, Decision Making

PROJECTS

Cube Integration Hub (CIH) - Integration Platform Development   *NestJS, Node.js, Express.js, Apache Kafka*

- Developed **Cube Integration Hub (CIH)**, a centralized platform to integrate downstream and upstream services.
- Designed and implemented APIs in **NestJS** to process and validate incoming payloads.
- Integrated **Apache Kafka** to handle large-scale, high-volume message streams between services, improving reliability and scalability.
- Implemented Kafka producers and consumers for efficient asynchronous processing of huge payloads.
- Built services to store and update payload data, ensuring data accuracy and smooth service communication.

ArtHub - Online Art Marketplace   *MongoDB, Express.js, React.js, Node.js, Bootstrap*

- Developed a full-stack application enabling artists to showcase and sell artwork directly to buyers.
- Implemented dynamic filtering and search features for better user experience.
- Built RESTful APIs and responsive UI with Bootstrap; deployed using cloud services.

E-Pharmacy Website *MongoDB, Express.js, React.js, Node.js, Bootstrap*
- Created an online medicine ordering system with secure authentication and role-based access.
- Integrated order tracking, invoice generation, and responsive design for all devices.

Python Application Deployment Using AWS ECR and EKS *AWS, ECR, EKS, GitHub Actions, Docker*
- Orchestrated a CI/CD pipeline using GitHub Actions, Docker, and AWS services.
- Automated deployment of containerized apps to Amazon EKS via AWS ECR.
- Implemented Infrastructure as Code (IaC) and optimized deployment reliability.

EDUCATION

SRM Institute of Science and Technology Chennai, Tamil Nadu
BTech, Computer Science and Engineering September 2020 - June 2024
*CGPA: **9.29***

ACHIEVEMENTS

- Solved **300+** coding problems across various platforms.
- Awarded the AP Police Merit Scholarship twice for outstanding academic performance.
- Appreciated by client for delivering a critical project within limited timeframe and high quality.
- Volunteered for multiple coding events, contributing to their successful execution.

CERTIFICATIONS

- **Certified Kubernetes Administrator** The Linux Foundation.
- **AWS Certified Cloud Practitioner** Amazon Web Services.
- **Red Hat Certified System Administrator** Red Hat.
- **Red Hat Certified Engineer** Red Hat.
- **ITIL V4 Foundation - IT Service Management** PeopleCert.