PRASANNA KUMAR NAGABOYINA

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PROFESSIONAL EXPERIENCE

Cambium Networks Pvt Ltd   **Bengaluru, Karnataka, India**
Engineer   *December 2022 - August 2023*
- Proficiently implemented REST API and gRPC microservices, with hands-on expertise in server-side development using Python's FAST API and using Golang's gin framework using concurrency features and goroutines to enhance scalability and efficiency in parallel processing.
- Exhibited skill in creating and optimizing database applications, leveraging MySQL , PostgresQL , DynamoDB and MongoDB to achieve a 30% increase in data storage and retrieval efficiency .
- Successfully deployed microservices with Docker and also orchestrated containers using Kubernetes, contributing to a streamlined and scalable deployment process that reduced deployment time by 40% .
- Led agile development practices, including CI/CD implementation using Jenkins , ensuring continuous delivery .
- Utilized a comprehensive suite of AWS services including EC2 , S3 , Lambda for serverless computing, ECS and EKS for container orchestration, and SNS for messaging and notifications. This integration resulted in a 25% improvement in application performance and a 20% reduction in operational costs.
- Knowledgeable in implementing Redis cache for session management and Kafka for Realtime data streaming.

Param Network Pvt Ltd   **Bengaluru, Karnataka, India**
Application Developer   *June 2021 - December 2022*
- Designed , Developed , Tested and Deployed Server side microservices using REST API, gRPC, and GraphQL protocols resulting in an average of 25% reduction in server response times.
- Successfully integrated with the dedicated Param Blockchain Service, enabling seamless interaction with complementary wrapper services leading to a 10% increase in data processing speed
- Skilled in crafting database applications, employing queries and CRUD operations in both MongoDB , PostgresQL and CouchDB to improve data access efficiency by 30%.
- Deployed and maintained server applications on Unix and Linux environments, demonstrating a deep understanding of system architecture.
- Enhanced system monitoring and alerting solutions by using Prometheus and Grafana on Linux servers, ensuring high availability and performance.
- Proficiently performed operations and generated analytical insights for Ultratech client on Inventory Managment.
- Implemented CI/CD pipelines using GitHub Actions to streamline the development process, ensuring rapid and reliable delivery of high-quality software.
- Leveraged Docker and Kubernetes for containerization and orchestration, improving deployment efficiency and scalability.
- Acquired fundamental AWS skills by deploying and managing EC2 instances, utilizing S3 for storage.Launched a basic web application on AWS, demonstrating practical cloud knowledge and resulting in a 20% reduction in infrastructure costs.

PROJECTS & OUTSIDE EXPERIENCE

AI ChatBot   **Remote**
Project   *February 2024 - May 2024*
- Developed an AI chatbot integrating OpenAI's ChatGPT-3.5 and FAISS vector database.
- Created a highly interactive and intelligent chatbot capable of retrieving and processing vast amounts of data quickly and accurately.
- Leveraged advanced prompting techniques and seamless integration of ChatGPT-3.5 to build a robust solution that offers real-time responses and enhances user interaction.

EDUCATION

Southern Arkansas University   **December 2024**
Master's, Computer Science
- Java , Python , Computer Networking , DBMS , Data Structures And Algorithms.

SKILLS

Skills: AWS, Docker, JIRA, MongoDB, MySQL, Postman, Redis, REST APIs, Python, Go, gRPC, Agile, Git, Linux/Unix, Apache Kafka, python, Jenkins, Kubernetes