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 servers, showcasing hands-on expertise in server-side development using Python and using Golang's concurrency features and goroutines to enhance scalability and efficiency in parallel processing.
- Exhibited skill in creating and optimizing database applications, leveraging MySQL , 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 and application resiliency.
- Utilized a comprehensive suite of AWS services including EC2 for scalable compute capacity, S3 for reliable and secure object storage, 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.

Param Network Pvt Ltd   **Bengaluru, Karnataka, India**
Application Developer   *June 2021 - December 2022*
- Proficiently composed server-side applications using REST API, RPC, 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 .
- Demonstrated expertise in crafting database applications, employing queries and CRUD operations in both MongoDB , PostgresQL and CouchDB to improve data access efficiency by 35%.
- Deployed and maintained server applications on Unix and Linux environments, demonstrating a deep understanding of system architecture.
- Developed and managed system monitoring and alerting solutions using Prometheus and Grafana on Linux servers, ensuring high availability and performance.
- Proficiently performed operations and generated comprehensive 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