

PRASANNA KUMAR NAGABOYINA

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PROFESSIONAL EXPERIENCE

LEAP IT INC

Software Developer

Frisco, TX, USA

September 2024 - Present

- Led the design and implementation of a microservices architecture using Golang, effectively breaking down a monolithic application into modular, independently deployable services, resulting in a 10% improvement in system performance.
- Proficient of Design Patterns, Multithreading, Channels and Goroutines to optimize performance, speed and scalability.
- Collaborated with product management to align software solutions with customer needs, boosting user adoption by 15%.
- Employed testing, profiling and benchmarking techniques to identify and rectify performance bottlenecks, enhancing overall system speed and reliability.
- Implemented CI/CD pipelines with GitHub Actions and Git, streamlining development for rapid, reliable software delivery.
- Executed Cron Jobs, Shell, and Python scripts, reducing manual effort by 10% through automation.

Cambium Networks Pvt Ltd

Engineer

Bengaluru, Karnataka, India

December 2022 - August 2023

- Developed microservice with REST APIs and gRPC for handling and analyzing zipped dumps from network devices in AWS resulting in a 30% reduction in processing time and enhanced error handling.
- Designed modular, reusable code in Go using OOP principles, enhancing maintainability, which improved team efficiency.
- Enhanced database applications with PostgreSQL, DynamoDB, and InfluxDB, with 30% boost in data storage and retrieval.
- Successfully deployed microservices with Docker and also orchestrated containers using Kubernetes resources (Pods, Services, ConfigMaps), to a streamlined and scalable deployment process that reduced deployment time by 40%.
- Enhanced monitoring and alerting with Prometheus and Grafana on Unix/Linux servers with high availability and performance.
- Led Agile development practices, including CI/CD implementation using Jenkins, ensuring continuous delivery.
- Experienced in cloud deployments on AWS (EKS, ECS, BeanStalk, Lambda, S3, EC2, SNS, API Gateway) and Azure.

Param Network Pvt Ltd

Application Developer

Bengaluru, Karnataka, India

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.
- Implemented Go features (goroutines, channels, interfaces, and error handling) to build scalable, high-performance systems.
- Skilled in database applications using MongoDB, PostgreSQL, and CouchDB, optimizing data access efficiency by 30%.
- Deployed and maintained applications on Unix/Linux environments, with deep understanding of system architecture.
- Setup/Optimise ELK (Elasticsearch, Logstash, Kibana) Stack and Integrated Apache Kafka for data ingestion.
- Leveraged Docker and Kubernetes for containerization and orchestration, improving deployment efficiency and scalability.
- Deployed and managed cloud infrastructure on AWS using EC2, S3, Lambda and IAM, handling upto 5k concurrent users.

PROJECTS & OUTSIDE EXPERIENCE

Authentication Microservice with JWT & Access Token

Project

Remote

May 2024 - Present

- Developed a microservice for User Management using OAuth 2.0, JWT and Access Tokens with token expiration handling.
- Integrated PostgreSQL database to securely store user credentials and session data with proper encryption.
- Engineered a notification system using Kafka brokers and consumers for real-time updates and fault tolerant.
- Containerized the microservice using Docker, and Automated the CI/CD pipeline using GitHub Actions.
- [Link to project](#)

SKILLS

Skills: AWS, Docker, GraphQL, JIRA, MongoDB, MySQL, Postman, Redis, REST APIs, Python, Go, gRPC, Prometheus, Apache Kafka, Jenkins, Kubernetes, Git, Python Scripting, Jenkins, PostgreSQL, DynamoDB, ELK Stack, Shell Scripting, Microsoft Azure

EDUCATION

Southern Arkansas University

Master's, Computer Science

August 2023 - December 2024

- Python, Java, DSA, DBMS, Unix/Linux, Networking.