Sanket Patil

Software Engineer

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Profile

Backend engineer specializing in Golang and Rust, with a focus on systems programming, LLM training and integration, and building high-performance, scalable infrastructure. Experienced in distributed systems, serverless architectures, and backend platforms, with additional proficiency in Node.js and Python.

Professional Experience

Plus 91 Technologies PVT LTD, 05/2022 – present | Pune, India

Software Engineer

- Designed and implemented **microservices architecture** in **Go and Rust** to enhance **scalability, modularity, and maintainability**, resulting in **distributed systems** capable of managing complex business logic.
- Built **robust backend systems and APIs** using **Go and Rust**, ensuring **efficient data processing, seamless integration, and secure communication** between various application components on the cloud.
- Developed and optimized **WebSocket** and **gRPC-based** real-time communication systems, enabling **low-latency, high-performance** interactions between services and clients.
- Extensive experience working on **Electronic Medical Record (EMR) systems**, contributing to the development and enhancement of critical **healthcare software solutions**.
- Worked with **large volumes of data**, leveraging **Go and Rust** to optimize **data serving and processing**, improving **performance and efficiency** in handling complex datasets.
- Deployed and fine-tuned custom **Large Language Models (LLM)**, integrating them into HIMS to enable intelligent automation, clinical data interpretation, and improved decision-making support for healthcare providers.

A L Services PVT LTD, 2021 – 2022 | Pune, India

Software Developer

- Created and optimized data structures for new products using Golang, ensuring efficient storage, retrieval, and manipulation of data, which led to improved performance and scalability.

- Integrated IoT devices with cloud platforms, enabling seamless data transmission, real-time monitoring, and remote management.
- Integrated third-party APIs into applications, expanding functionality and enabling seamless interactions with external services and data sources.

🎓 Education

BACHELOR OF COMPUTER SCIENCE, 2019 - 2021 | Pune, India
G. H. Raisoni College

📂 Projects

Byte Fortress, *Cloud File storage system like s3*
Byte Fortress is a secure and efficient file storage system built entirely in Rust. It provides a robust solution for storing, managing, and serving files with support for various metadata and authentication features. With all dependencies, including the database (RocksDB), packaged within the binary, Byte Fortress is ready to use out of the box.
Github link -> https://github.com/Sanket3dx/byte_fortress

Quick Forge, *creates and manages APIs without code.*
A lightning-fast Go tool for creating APIs without code. It supports MySQL and MongoDB and seamlessly integrates with your existing projects. Written in Go, Quick Forge streamlines API development and enhances productivity.

CacheGate, *High-performance caching proxy server.*
CacheGate is a high-performance caching proxy server built with go that accelerates response times and reduces backend load by caching frequently requested data. It intercepts incoming requests, serves cached content when available, and significantly improves overall efficiency. CacheGate is ideal for APIs and web delivery, offering flexible caching and expiration rules for optimized performance.
Github link -> https://github.com/Sanket3dx/CacheGate

Skills

Golang	●●●●●	Node js	●●●●○
Python	●●●●○	Rust	●●●○○
PHP	●●●●●	SQL	●●●●○
Linux	●●●●○	Docker	●●●●○
PostgreSQL	●●●●○	MySQL	●●●●○
MongoDB	●●●●○	AWS	●●●●○
LLM	●●●●○	Kafka	●●●○○