PRASANTH JANARDHANAN

Senior Backend Engineer

prasanthmj@gmail.com | +91 9845422369 | prasanthmj.github.io | linkedin

Summary

Senior Backend Engineer with 9+ years of experience in scalable software product development. Specialized in microservices architecture, cloud infrastructure, and DevOps practices. Proven track record of delivering high-performance systems and leading technical initiatives in startup environments.

Technical Skills

- **Languages**: Go, Node.js, TypeScript
- **Databases**: PostgreSQL, MongoDB, Redis
- **Infrastructure**: Kubernetes, Docker, AWS, GCP
- **Tools**: Git, Kafka, Terraform, Prometheus, Grafana
- **Methodologies**: Microservices, Event-Driven Architecture, TDD, CI/CD

Professional Experience

Senior Backend Engineer | Dome Global Inc (Remote)

December 2022 - Present

Led backend development for a next-generation Platform as a Service (PaaS) product:

- Architected and implemented automated deployment system using client-go and Tekton, reducing deployment time by 60%
- Developed usage-based billing system tracking CPU/RAM metrics, enabling accurate customer charging
- Refactored legacy codebase improving system performance by 40%
- Designed and implemented REST API authentication system in Go, supporting 10K+ daily requests
- Integrated Harbor image registry system handling 1TB+ of container images
- Led technical revamp resulting in successful MVP launch and first paying customers
- Scaled platform to handle 100+ concurrent user deployments

Technologies: Go, Kubernetes, Google Cloud Platform, AWS

Senior Staff Engineer | CredCore Inc (Remote)

September 2021 - November 2022

Architected capital structure management product for fintech startup:

- Designed microservices architecture using Go and PostgreSQL, serving 50+ enterprise clients
- Implemented document analysis pipeline using Python-based AI models with 90% accuracy
- Integrated Temporal workflow engine handling 10K+ daily jobs
- Built multi-cloud deployment using Terraform across AWS and GCP
- Implemented Stripe billing system processing $1M+ in annual subscriptions
- Led SOC2 compliance implementation

Technologies: Go, TypeScript, ReactJS, PostgreSQL, Redis, Temporal, Kafka, AWS, GCP, Kubernetes

Backend Engineer | TPS Inc

January 2015 - May 2021

Real-time Transportation Monitoring System

- Decomposed monolithic system into microservices improving response time by 70%
- Implemented Kafka-based message broker handling 100K+ daily events
- Deployed microservices on bare metal Kubernetes cluster with 99.9% uptime

Telecom Tower Management System

- Architected real-time video monitoring system processing 10TB+ monthly data
- Built microservices using Go, C, and Node.js handling 1000+ concurrent streams
- Implemented Vue/Nuxt frontend with real-time updates

Technologies: Go, PHP, VueJS, InfluxDB, Kafka

Education

- Bachelor's Degree in Computer Science, Mahatma Gandhi University, India
- Certified Kubernetes Administrator (CKA), The Linux Foundation, 2019
- Certified Kubernetes Application Developer (CKAD), The Linux Foundation, 2019

Open Source Projects

qUP

GitHub - Background task processor in Go with BadgerDB persistence

Chimes

GitHub - JWT authentication library in TypeScript

OneCluster

GitHub - Terraform/Ansible automation for Kubernetes on Hetzner cloud

Languages

- English (Fluent)