Hitesh Kumar Pattanayak, Software Developer

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Date of birth	11/03/1994	Nationality		Indian

PROFILE

Backend engineer with 10 years of experience developing applications using various technologies. I work with Golang, AWS, and Kubernetes to build scalable solutions that support business operations. I stay current with software development practices and have experience with cloud infrastructure and microservices architecture. I'm looking to contribute my skills in a team environment focused on delivering reliable software solutions.

EMPLOYMENT HISTORY

Aug 2022

Senior Product Engineer, Improving   Pune

Tech Stack: Golang, AWS, Azure, Auth0, PostgreSQL, Kubernetes, Docker, EKS-A, gRPC, REST.

Enterprise Kubernetes Infrastructure Solutions

- **Architected and developed comprehensive bare-metal Kubernetes cluster provisioning solution** for **Rafay Systems** using AWS EKS Anywhere, delivering full lifecycle management capabilities including automated provisioning, scaling, backup/restore, and rollback functionality.
- **Built robust API and CLI interfaces** using Golang and gRPC/REST protocols, enabling seamless cluster operations and infrastructure management at enterprise scale
- **Implemented production-grade cluster management features** including node upgrades, disaster recovery mechanisms, and automated scaling to support enterprise workloads

Cloud-Native SaaS Platform Development

- **Engineered end-to-end Microsoft 365 data protection solution** for **Alcion Inc.**, developing CLI tools for automated backup and restoration across Exchange, SharePoint, OneDrive, and Teams environments
- **Designed and implemented multi-tenant SaaS architecture** with automated tenant onboarding, policy-based backup scheduling, and comprehensive data governance controls
- **Leveraged AWS cloud infrastructure** and CI/CD pipelines to deliver scalable, reliable backup-as-a-service capabilities

Enterprise Identity and Access Management Systems

- **Led development of comprehensive authentication and authorization platform** for **Veeam's** Backup-as-a-Service offering, supporting complex multi-organizational user management scenarios
- **Implemented sophisticated role-based access control (RBAC) system** with granular permissions, role hierarchies, and scope-based restrictions to ensure enterprise-grade security compliance

Oct 2021 — Jul 2022

Senior Consultant, Thoughtworks   Pune

High-Performance Financial Trading Platform

- **Architected and delivered microservices-based cryptocurrency trading platform** for Voyager Inc., building scalable backend infrastructure to handle high-frequency trading operations and real-time market data processing
- **Engineered time-series data management solution** using TimescaleDB and PostgreSQL to store and query massive volumes of historical pricing data, enabling sub-millisecond query performance for trading analytics
- **Implemented event-driven architecture** with Apache Kafka for real-time market data streaming and order processing, ensuring low-latency trade execution and reliable message delivery at scale
- **Built comprehensive trading APIs** using Golang with gRPC and REST protocols, providing real-time pricing feeds, historical market statistics, and trading functionality for client applications
- **Deployed production-grade observability stack** with Datadog monitoring and Kubernetes orchestration to ensure 99.9% uptime and performance optimization for critical trading operations

Dec 2020 — Sep 2021

Senior Software Developer, Sureify   Hyderabad

Visual Application Development Platform

- **Architected and built comprehensive no-code/low-code platform** enabling non-technical users to create enterprise applications through intuitive drag-and-drop interface, democratizing software development across organizations

- **Designed scalable component-based architecture** using React frontend with Golang backend services, supporting dynamic application generation and real-time component rendering for complex business workflows
- **Implemented robust data management layer** with MySQL for persistent storage, Redis for caching frequently accessed components, and GraphQL for efficient client-server communication and flexible data querying
- **Built asynchronous processing pipeline** using RabbitMQ for handling application generation, deployment workflows, and background tasks, ensuring responsive user experience during complex operations
- **Deployed cloud-native infrastructure** on Kubernetes to support multi-tenant application hosting, auto-scaling, and isolated execution environments for user-generated applications

Feb 2019 — Dec 2020	**Senior Software Developer, Cognizant**	Chennai

Tech Stack: Python, Selenium, C#, PostgreSQL, RabbitMQ, Docker, React.

RPA Framework Automation

Automated redundant processes for a banking client using Python, Selenium, and C#.

Oct 2015 — Jan 2019	**Senior Software Developer, Infosys**	Pune

Tech Stack: C#, SQL Server, IIS, ASP.NET MVC.

Developed web pages as part of a monolithic application using ASP.NET MVC and C#.

EDUCATION

Mar 2015	**BTech in Electrical & Electronics Engineering, Gandhi Institute for Technological Advancement (GITA), Biju Patnaik University of Technology (BPUT)**	Bhubaneshwar

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SKILLS

Golang	Pulumi
Azure	Postgres
AWS	Docker
Kubernetes	Pyhton

COURSES

Aug 2023	CKAD, Linux Foundation

EXTRA-CURRICULAR ACTIVITIES

Book: Modern API Design with gRPC

https://www.amazon.in/Modern-API-Design-gRPC-Distributed/dp/8197081832

Talk: Microservice Communication using gRPC

https://www.linkedin.com/feed/update/urn:li:activity:7078232488233373696/

Talk: gRPC Load Balancing at GopherCon 2023

https://www.youtube.com/watch?v=X8b-cxR-FxY&list=PLbgP71NCXCqGsqyEQt4op6MuQLvvKpuU7&index=19

Blog: Bare metal k8s cluster provisioning using AWS EKS-A

https://www.infracloud.io/blogs/provisioning-kubernetes-bare-metal-using-aws-eks-anywhere/?utm_source=reddit.com&

Blog: Understanding gRPC Concepts, Use Cases & Best Practices

https://www.infracloud.io/blogs/understanding-grpc-concepts-best-practices/