Piyushh Bhutoria

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Summary

Senior Backend Engineer with 5+ years of experience designing scalable distributed systems, architecting microservices, and building high-performance APIs for SaaS and platform products. Proven track record in system design, integrations architecture, production reliability, and technical leadership across fintech, logistics, and B2B platforms. Leverages AI-assisted development tools to accelerate system design, code quality, refactoring, and testing workflows, improving engineering velocity while maintaining architectural rigor and performance standards.

Experience

Easyship   **July 2025 - Jan 2026**
Backend Engineer   **Bangalore**

- Designed and implemented a fault-tolerant microservice to orchestrate asynchronous API communication with external Warehouse Management Systems (WMS), handling retries, idempotency, and partial failure recovery.
- Built scalable RESTful APIs to support warehouse integrations and shipment workflows.
- Contributed to core rate-calculation services, optimizing performance and ensuring correctness under complex courier rules and dynamic pricing logic.
- Improved production reliability through enhanced logging, monitoring, and failure handling mechanisms.

Tech Stack - Ruby on Rails, PostgreSQL, GCP, Distributed Systems, Microservices Architecture

Procol   **Jan 2023 - Jun 2025**
Senior Software Developer   **Gurugram**

- Led a 10-member core product team owning the auction engine, improving platform reliability and contributing to a 10% increase in NPS and CSAT.
- Architected and scaled the integrations platform, designing API-first solutions that enabled 8 enterprise clients to go live within 3 quarters.
- Designed secure REST APIs with authentication, authorization, and validation layers to support third-party integrations.
- Created comprehensive API documentation and technical onboarding guides, reducing client-facing engineering dependency by 30%.
- Collaborated cross-functionally with product and customer teams to translate ambiguous requirements into scalable system designs.
- Optimized database queries, caching strategies, and background job processing to improve throughput and reduce latency.

Tech Stack - Ruby on Rails, Go (Echo), PostgreSQL, Redis, AWS, GitHub Actions, CI/CD, Event-Driven Architecture

Samudai   **Jan 2022 - Jan 2023**
Lead Backend Engineer   **Dubai**

- First engineering hire; architected and implemented the backend microservices architecture from scratch, enabling rapid product iteration and horizontal scalability.
- Designed and deployed cloud-native services with Docker and Kubernetes, ensuring high availability and production reliability.
- Developed scalable APIs and backend services powering Search, Access Control (RBAC), Analytics, and Project Management modules.
- Owned end-to-end system lifecycle: API design, database modeling, deployment pipelines, monitoring, and incident resolution.
- Built and maintained CI/CD pipelines to enable safe, zero-downtime deployments.
- Integrated third-party APIs (Discord, Notion) to enable composable workflows and extensibility.

Tech Stack **-** Go (Gin), Docker, Kubernetes, PostgreSQL, MongoDB, DigitalOcean, Node.js, TypeScript, GitHub Actions

Touchnote   **Jun 2021 - May 2022**
Backend Developer   **Hyderabad**

- IDesigned and launched "Refer a Friend" feature, increasing user signups by 5%.
- Optimized API gateway performance, reducing average response time to ~250ms in a microservices architecture.
- Led zero-downtime refactor and upgrade of Go-based microservices, completing migration within 4 weeks.
- Contributed to architectural improvements and performance tuning across distributed backend services.

Tech Stack **-** Go (Gin), Docker, Kubernetes, PostgreSQL, CircleCI, REST APIs

Tredence Analytics   **Aug 2020 - May 2021**
Software Engineer   **Bangalore**

- Built scalable data pipelines to process large historical datasets and generate 5-year sales forecasts.

- Developed Spark-based data ingestion frameworks to normalize heterogeneous data into analytics-ready formats.
- Improved data processing efficiency and reliability across distributed compute environments.

Tech Stack - Python, Azure, Spark SQL, Data Pipelines, ETL

Skills

- **Programming Languages:** Ruby (Rails), Go (Gin, Echo), Python, JavaScript, TypeScript
- **Backend & APIs:** RESTful API Development, Microservices Architecture, Distributed Systems, API Integration, Authentication & Authorization, Asynchronous Processing, Event-Driven Systems
- **Databases:** PostgreSQL, Redis, MongoDB, Elasticsearch, Data Modeling, Query Optimization
- **Cloud & DevOps:** AWS, GCP, Docker, Kubernetes, CI/CD Pipelines, GitHub Actions, DigitalOcean
- **Architecture & Practices:** System Design, Scalable Systems, Performance Optimization, Caching Strategies, Production Reliability, Monitoring & Logging, Code Reviews, Agile

Education

Vellore institute of Technology, Vellore - B.Tech
(2016-2020) - 8.6 CGPA