Prajwal Bharadwaj BM

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TOOLS AND TECHNOLOGIES

Programming Languages: Go, Python
Technology & Frameworks: FastAPI, Kafka, REST, Microservices, Swagger
Cloud & Infrastructure: Azure (Function Apps, Event Grid, Service Bus), AWS, GCP
Databases: PostgreSQL, Redis, MySQL, SQLite, Qdrant
DevOps & Monitoring: Git, GitHub Actions, GitLab CI/CD, Terraform, Docker, Kubernetes, Grafana, Prometheus

EDUCATION

Visvesvaraya Technological University Bangalore, India
Bachelor of Engineering in Information Science *2019 – 2023*

EXPERIENCE - 2 YEARS

Software Engineer Jul 2023 – Present
Betsol LLC *Bangalore, India*

- Architected Go-based booking platform managing 7,200+ monthly appointments for 100 DAU and 200 healthcare providers, reducing P99 latency from 8 seconds to sub-200ms (worst-case from 38 seconds) through dedicated Azure Function Apps, optimized stored procedures, and indexing frequently requested data like provider information.
- Built real-time tri-platform synchronization between Zocdoc, InSync EMR, and internal booking system using Azure Event Grid and Service Bus, eliminating 15-20 daily double booking incidents to zero and significantly improving customer retention.
- Built production RAG-based support chatbot processing 100+ Zmanda knowledge base sitemaps, reducing customer support load by 70% (100 to 30 tickets) and slashing response times from 24 hours to a minute.
- Led enterprise backup solution development serving 5+ customers managing 100TB+ monthly backup volumes, reducing individual 50TB Oracle RMAN backup time from 2 weeks to 16 hours (94% improvement) through parallelized Go pipelines and concurrent processing streams.
- Designed CLI automation tool, eliminating manual DBA scripting overhead and enabling one-click backup scheduling for enterprise customers with 3-2-1 backup strategy integrated.
- Drove 90% sprint commitment delivery across 22 sprints with 3-person dev team, achieving production rollout within 22 weeks.
- Architected file-level VM restore capability using PyVmomi, achieving 100% customer retention and driving new customer acquisition as SME for VMware workloads.

Software Engineer Intern Feb 2023 – Jul 2023
Betsol LLC *Bangalore, India*

- Researched on memory usage in Restic backup framework, enhancing S3 bucket configuration for improved backup durability and reliability.

PROJECTS

Broker Trading Platform | *Go, PostgreSQL, JWT, Circuit Breaker, Real-time APIs* Jun 2025

- Architected comprehensive trading platform backend with real-time order book functionality, portfolio management, and P&L tracking, supporting 12+ REST API endpoints.
- Engineered fault-tolerant microservices with circuit breaker patterns for database resilience, JWT authentication with refresh tokens, and structured logging using Zerolog.

Gupload - Enterprise File Upload Service | *Go, PostgreSQL, JWT, Docker* May 2025

- Built file upload microservice with JWT authentication and intelligent storage quota management, handling multipart/form-data uploads with middleware-based validation. Implemented clean architecture with PostgreSQL persistence and Docker Compose deployment for seamless scalability across environments.

AWARDS & CERTIFICATIONS

Above and Beyond Award | *Betsol LLC - Recognized for BackupManager enterprise solution delivery* 2024
Team Excellence Award | *Betsol LLC - Honored for VMware file-level restore, achieving 100% retention* 2023
Microsoft Certified: Azure Fundamentals AZ-900 Sept 2024

For detailed project documentation visit: prajwalbm.com/#projects