PUSPENDRA CHAWLA

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SUMMARY

Backend developer skilled in building reliable, secure, and production-grade services using Go, PostgreSQL, Redis, Docker, and AWS. Experienced in REST API design, authentication, WebSockets, containerization, CI/CD pipelines, and cloud deployment. Focused on clean engineering practices, system reliability, and adopting modern DevOps methodologies to support scalable applications.

TECHNICAL SKILLS

Languages: Go, Python, JavaScript, Bash, SQL, C++
Databases: PostgreSQL, Redis, MongoDB, sqlc
DevOps: Docker, Docker Compose, Kubernetes, GitHub Actions, Terraform
Cloud: AWS (EC2, S3, ECS, Lambda, VPC, IAM, EKS)
Security: JWT, OAuth, bcrypt, CSRF protection, rate limiting, SSL/TLS
Other: Linux, NGINX, CI/CD pipelines, system design fundamentals

EDUCATION

B.Tech in Computer Science 2021–2025
Modern Institute of Technology & Research Centre, Rajasthan CGPA: 7.8/10

Senior Secondary (Science) 2019–2021
Yashwant Senior Secondary School, RBSE 82%

PROJECTS

Delivery Management System *Go, Gin, PostgreSQL, Redis*
GitHub

- Designed a scalable delivery backend featuring real-time Redis pub/sub, worker-based concurrency, and automated order progression for high-throughput workloads.
- Added JWT authentication, RBAC, rate limits, and request validation to ensure secure, predictable behavior across distributed deployments.
- Implemented order stages, cancellation rules, and admin tools backed by optimized PostgreSQL queries for consistent and durable data handling.
- Deployed via Docker Compose with logs, health checks, and configuration controls ensuring reliable production operation.

Authentication System *Go, PostgreSQL, Redis, NGINX*
GitHub

- Built secure user flows including signup, login, email verification, and password reset with short-lived access tokens and rotating refresh tokens.
- Added bcrypt hashing, Redis token blacklist, rate limiting, and account lockout rules to strengthen authentication and prevent abuse.
- Implemented structured logging, CORS, input validation, and SQL-safe queries to mitigate XSS, injection attempts, and malformed request patterns.
- Deployed with Docker and NGINX using SSL/TLS termination to provide hardened, production-ready network security.

BriWorld *Go, WebSocket, PostgreSQL, Docker*
GitHub | Live Demo

- Built a real-time multiplayer geography quiz using WebSockets with synchronized timers for smooth low-latency gameplay across up to six players.
- Added fuzzy answer matching via Levenshtein scoring to accept close answers without affecting game flow or responsiveness.
- Implemented JWT authentication, bcrypt hashing, and efficient pgx queries for fast database reads and secure session control.
- Deployed using Docker and Render with configuration-based setup and secure Neon PostgreSQL connections for stable production behavior.

CERTIFICATIONS

IBM DevOps, Cloud, and Agile Foundations (Coursera, 2024)
DevOps: Beginner to Advanced with Projects (Udemy, 2025)
Active daily.dev learner (143-day streak)

CORE COMPETENCIES

API Development | Microservices | Cloud Deployment | CI/CD Pipelines | Infrastructure as Code | Database Design | Security Best Practices | Linux | Testing

INTERESTS & HOBBIES

Gaming | Open Source Contribution | Music | Cooking | Linux Customization