

# Narvdeswar

Software Developer

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## SUMMARY

Software Developer with 3+ years of experience in **Go backend development**, designing high-performance REST APIs, concurrent pipelines, and microservices, with exposure to **React** for end-to-end delivery.

## EXPERIENCE

### Xenelsoft Technologies Pvt. Ltd.

Noida, India

Software Developer

Nov 2024 - Present

- Built BI dashboards for the National Crime Records Bureau (NCRB) to analyze and visualize large crime datasets, turning raw data into clear insights for decision-makers
- Built a SaaS-based smart infrastructure platform to monitor and optimize real-time IoT devices (e.g., smart streetlights) using Go (Golang) backend, React/Tailwind frontend, and cloud-native deployment with Docker
- Developed an interactive dashboard using React, Recharts/Chart.js, and OpenLayers map integration to visualize device locations, energy usage, uptime, and fault alerts, with role-based access control for multi-tenant SaaS.
- Optimized database layer (PostgreSQL + Redis caching) to efficiently handle high-volume sensor data streams with low latency
- Integrated third-party APIs such as Zoom API and Google Cloud Vision API to enhance platform functionality and automation.

### GlobalLogic Inc.

Gurugram, India

Software Engineer

Dec 2022 - Nov 2024

- Designed a secure, scalable **OTP-based authentication system**, Redis caching, and JWT middleware, improving verification success rate and reducing DB load.
- Built an **OCR-powered document intelligence pipeline** using Google Cloud Vision, achieving **98% text extraction accuracy** and reducing document search time by **60%**.
- Implemented dynamic text highlighting and PDF bookmarking, improving document navigation time by 60% for end-users.
- Conducted comprehensive quality assurance testing across multiple platforms to ensure cross-browser compatibility and mobile responsiveness.
- Developed and maintained responsive client websites using HTML, CSS, JavaScript, and TailwindCSS, ensuring fast load times and smooth user experiences across devices

## SKILLS

**Programming:** Golang

**Backend & Concept:** RESTful APIs, JWT, Goroutine, Channels, WaitGroups, Middleware, RabbitMQ, Microservices

**Frameworks / Libraries:** Gin, React.js, Redux (Redux Toolkit), Tailwind CSS

**DataBase:** PostgreSQL, Redis

**Cloud & DevOps:** AWS (EC2, Lambda, S3, RDS), Google Cloud Vision OCR, CI/CD

**Tools:** VSCode, PostMan, Git, Vite, Docker

## PROJECTS

### Distributed Microservices Backend System

**Tech Stack:** Go (Gin), PostgreSQL, RabbitMQ, JWT, Docker, Docker Compose, REST APIs, Go Modules, bcrypt, Clean Architecture, Microservices

- Built independently scalable microservices using database-per-service pattern and async messaging via RabbitMQ for **Payment ↔ Notification** decoupling.
- Implemented role-based authentication, token lifecycle management, and secure password hashing.
- Containerized services with docker-compose enabling reproducible deployments.

### Concurrent Log Processing Pipeline

**Tech Stack:** Concurrency, Channels, pprof, zerolog, Git

- Built a concurrent Go-based log processing pipeline handling **~50M lines (~1GB)** in **~52s**
- Achieved **~1M lines/sec throughput** using goroutines, buffered channels, and worker pools
- Implemented lock-free aggregation, graceful shutdown, and profiling with pprof

## EDUCATION

### Bansal Institute of Engineering & technology

Jun 2019 - Jun 2022

### Bachelor of Technology in Computer science & Engineering

GPA: 7.99

## ACHIEVEMENTS

- Solved 400 + algorithmic challenges on LeetCode to strengthen data structures and problem-solving expertise.
- Awarded **Best Performer of the Month** for impactful engineering delivery.