

AABISHKAR ARYAL

SOFTWARE DEVELOPER 📍 BUTWAL, NEPAL 📞 +977-9847024119

◦ DETAILS ◦

Butwal
Nepal
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◦ LINKS ◦

[Website](#)
[LinkedIn](#)
[Github](#)

◦ SKILLS ◦

Go
React
Javascript/Typescript
Nodejs
SQL
CI/CD
AWS/GCP
MongoDB
Docker
Git

◦ LANGUAGES ◦

Nepali
English
Hindi



PROFILE

Full-stack software developer with 7+ years programming experience and 4+ years professional experience. Expert in Go and JavaScript/TypeScript with proven leadership in scaling high-performance backend systems. Led cross-functional teams delivering scalable backend solutions.



EMPLOYMENT HISTORY

Lead Software Engineer at Purplease Technologies

March 2022 — July 2025

Overview:

Technology consulting company serving European startups and enterprises. Led development of in-house products and delivered solutions for health-tech and logistics clients.

QRCite

Lead Software Engineer (Apr 2024 – Jul 2025)

- Led cross-functional **team of 5 developers** building QR-based dynamic content management platform
- Designed Golang back end handling **100+ requests/second with <150 ms response time** using React front end
- Built QR generation system producing up to **100,000 QR codes per PDF batch**
- **Reduced deployment time by 60%** through automated CI/CD pipelines (GitHub Actions, AWS)
- **Delivered visual website builder** reducing client setup time from hours to minutes
- **Achieved 99.5% platform up time** through micro-services architecture and monitoring

Client Projects

Software Developer (Mar 2022 — Apr 2024)

- **Contributed to logistics platform architecture** handling thousands of daily deliveries
- Transitioned **core services from monolith to 3 micro-services**
- Led team of **3 junior developers** on health-tech platform serving medical professionals
- Implemented survey builder and performance monitoring identifying **5+ performance bottlenecks**

NodeJS Developer (Part-Time) at Nepali Things

March 2021 — December 2021

- Developed event management platform processing 180+ events with 15,000+ ticket sales
- Integrated Stripe payments (\$20,000+ transaction volume) and QR code validation system
- Reduced infrastructure costs by 25% migrating from AWS to Render



EDUCATION

- **Bachelors of Computer Engineering, Lumbini Engineering College, Butwal**

★ PROJECTS

89 Transfers - Tourist Transport Booking Platform

2023

Type: Freelance

Built and optimized a high-performance booking system for tourist transport services in Mallorca, handling flight data integration, dynamic pricing, and multi-channel notifications.

- Transformed NestJS monolith to Go micro-services, reducing memory usage from **1 GB+ to 10-20 MB per service**
- Improved response times from **1-2 seconds to 100-150 ms** during peak operations
- Built automated flight data scraping system processing **200,000+ flight records daily** (365-day forward scheduling)
- Integrated multiple external API: **Flight Aware, Google Maps, Stripe payments, GCP Pub/Sub** messaging
- Designed event-driven notification system with **Slack, Telegram, Email, Google Sheets, and calendar** integration
- Reverse-engineered legacy NestJS codebase for seamless user experience migration
- Enabled real-time pricing updates based on distance, passenger count, time, and special requirements eliminating manual redeployments

Connect-Ed - Class Management System

2025

Type: Personal

Built comprehensive educational platform addressing real-world problems in Nepalese higher education: manual attendance inefficiencies, assignment duplicate detection, and schedule management chaos.

- Led **5-person** development team while mentoring teammates on programming fundamentals
- Designed QR-based attendance system with 5-second refresh cycles eliminating **proxy attendance and verification crowds**
- Implemented PDF duplicate detection algorithm achieving **80-85% accuracy** using OpenCV and multi-level similarity analysis
- Built **automated schedule management** with real-time notifications reducing student travel waste
- Created full-stack solution using React, PocketBase (Go), Python services, and Redis messaging
- Delivered working system in 2 months compressed timeline.
- Applied AI-assisted development for complex algorithm implementation while maintaining technical understanding
- Designed intuitive UI for non-technical users (faculty and students)