Arjun Saud

Software Engineer

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https://github.com/arjunsaud

Summary

Passionate tech enthusiast with 3+ years of experience in Software development. Dedicated to creating effective solutions by using system design concepts, creative and technical skills, while always looking to learn and use the latest technologies to improve the field of computer science.

Skills

NodeJs, NestJs, Docker, MongoDB, PostgreSQL, Socket.IO, Redis, Prometheus and Grafana, Sentry, System Design, Docker, Nginx etc.

Work Experience

Software Engineer

Novelty Technology   Sept 2025-Present

Multi Tenant Health Care System:

- Designed, developed, and maintained scalable software applications through all stages of the software development, ensuring clean, efficient, and maintainable code aligned with industry best practices.
- Collaborated with cross-functional teams to analyze requirements, design system architecture, perform testing and debugging, integrate APIs.
- Ensured code quality, performance, and reliability through code reviews, automated testing, and continuous improvement, while staying updated with emerging tools, frameworks, and development trends.

Backend Developer

Kush Fintech Consultants   Feb 2023-Sept 2025

Bus Management and Ticket Booking System:

- Led the development of a comprehensive bus ticket booking application, involving multi-organization bus and travel management software.
- Leveraged Node.js and Nest.js to implement a robust microservices architecture, utilizing MongoDB and Redis for database management.
- Integrated Socket.IO for real-time communication and facilitated seamless payment gateway integration with IME Pay, eSewa, Khalti, Fonepay and NPS (Nepal Payment System).
- Implemented jobs queue and worker threads to efficiently manage high traffic and background tasks, ensuring seamless performance and reliability
- Deployed to VPS using Docker, Nginx and Github Actions.
- Created multiple portals for operators, users, agents, and administrators.
- Conducted unit, e2e and performance testing to ensure optimal functionality and performance.

Multivendor Event Booking and Management System:

- Led the development of a cross-industry event and booking platform with multi-vendor and domain

support.

- Employed PostgresDB alongside Nest.js for robust database management and seamless integration.
- Successfully managed a multi-domain booking system, streamlining operations and improving user experience across various domains.

Online Visa Processing and Management System:

- Directed the creation of an online system for visa application submission and processing management.
- Integrated ClamAV to scan and prevent malicious file uploads, along with Stripe for secure payment transactions.
- Developed a workflow using OCR to securely extract and handle passport information.
- Implemented comprehensive monitoring using Prometheus for metrics collection and Grafana for real-time visualization, enabling proactive performance tracking and alerting.

Software Developer

Freelancing • Freelance   2022-2023

Tour and Trekking Management System (• Nest.js • Hostinger (server) • Vercel • Redis):

- Led backend development using NestJS and MongoDB, building scalable APIs for dynamic tour packages, real-time bookings, and Paypal for secure payment processing.
- Developed an admin dashboard for managing trips, guides, customers, and reporting; optimized system performance with Redis caching and background job processing.
- Collaborated with frontend and business teams to ensure seamless integration, uphold code quality, and deliver solutions aligned with project goals.

Electronic Components E-commerce System (• Nest.js • Hostinger (server) • Vercel • Redis):

- Designed and implemented a robust backend architecture for an e-commerce platform specializing in product, inventory management, and order processing.
- Optimized system reliability and performance with efficient MongoDB design and APIs, collaborating with frontend and business teams for a seamless, secure experience.

SCT Card Server API System for Payment (• Nest.js • Hostinger (server) • Vercel):

- Built a secure and user-friendly dashboard for managing transactions, monitoring payment statuses, and generating reports in real-time.
- Implemented reliable webhook endpoints to seamlessly listen and process payment notifications from the SCT service, ensuring instant transaction updates and status synchronization.

Projects

ECommerce App with real time chat support

Technologies: • Express (express.js) • Socket.IO • React with redux

- Basic social media CRUD features with advanced features like real time chat for support.

Home Service Provider Platform

Technologies: • Express (express.js) • React with redux

- A service marketplace where local professionals can list their services (e.g., plumbing, electrical installation). Users can search services by location and category, then request a booking.

Education

Bachelor of Engineering in Information Technology Application (BEIT)   2016 – 2021

Nepal College of Information Technology (Pokhara University)

Balkumari, Lalitpur, Nepal

Certifications & Awards

MERN Training - Fullstack Training (Oct 2022- Jan 2023)

Virt Technologies - Sankhamul, Kathmandu

Verify At : https://certification.vrittechnologies.com (CODE: VRITM018743)