

# Roshan Poudel

Shankhamul, Nepal

Phone: +977 9749742245 — Email: [grappleroshan7@gmail.com](mailto:grappleroshan7@gmail.com)

LinkedIn: [linkedin.com/in/roshan-poudel](https://linkedin.com/in/roshan-poudel) — GitHub: [github.com/Rroshan12](https://github.com/Rroshan12)

Portfolio: [roshannpoudel-pi.vercel.app](https://roshannpoudel-pi.vercel.app) — NuGet: [ListenItPro](#)

## Professional Summary

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Dedicated **Senior Full Stack Software Engineer** with over **5+ years of experience** in Node.js, .NET, JavaScript, and React. Expert in building scalable, high-performance applications using SOLID principles and proven design patterns. Strong background in real-time systems, GraphQL, gRPC, logging, monitoring, and CI/CD pipelines. Certified AWS Solutions Architect and Red Hat System Administrator with a passion for modern, maintainable solutions.

## Technical Expertise

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**Backend Development:** Node.js, .NET Core, ASP.NET MVC, C#, REST API, GraphQL, gRPC

**Frontend Development:** React.js, React Native, JavaScript, TypeScript, Next.js, Ant Design, Material UI, Chrome Extension Development

**Databases:** MS SQL Server, PostgreSQL, MongoDB

**DevOps & Cloud:** Docker, Azure, AWS (S3, EC2, Lambda, RDS, CloudWatch), Nginx, Jenkins, Azure DevOps

**Real-Time & Architecture:** WebSockets, GraphQL Subscriptions, Microservices Architecture

**Security:** OAuth, JWT, Identity Server, Role-Based Access Control

**CI/CD & Monitoring:** Jenkins, Azure DevOps, Serilog, Grafana, Prometheus, Hangfire

## Work Experience

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### Software Engineer — KrispCall Pvt. Ltd.

*January 2024 – Present*

*React, Node.js, .NET*

- Migrated KrispCall frontend from Create React App to Vite, improving build performance.
- Led frontend development using React.js, Ant Design, and Chrome Extensions for integration with 50+ CRM platforms.
- Built real-time user interfaces using GraphQL Subscriptions and WebSockets.
- Implemented OAuth integrations for Microsoft Teams and Dynamics 365.
- Optimized frontend state management using Apollo Cache and React Query.
- Collaborated closely with designers and product teams for seamless UX delivery.
- Mentored frontend engineers and improved overall UI performance.

### Software Engineer — Info Developers Pvt. Ltd.

*July 2023 – December 2023*

*.NET Developer*

- Developed high-performance backend systems using .NET Core.
- Integrated Hangfire for background jobs and scheduled tasks.
- Designed RESTful and gRPC APIs for microservices-based architecture.
- Implemented load balancing and notification systems (Email, SMS, Push).
- Optimized SQL stored procedures and automated critical workflows.

- Built and maintained full-stack applications using React, Node.js, and .NET Core.
- Developed biometric HR systems, ERP loyalty platforms, and payment-integrated ticketing solutions.
- Led mobile app development using React Native for restaurant and parking systems.
- Optimized database performance in SQL Server and PostgreSQL.
- Conducted code reviews, coordinated cross-functional teams, and managed DevOps practices.

## **Education**

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**Bachelor of Computer Applications (BCA)**  
Indira Gandhi National Open University (IGNOU), India

## **Certifications**

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- AWS Certified Solutions Architect – Associate
- Red Hat Certified System Administrator (RHCSA) – IT Security Nepal

## **Key Projects**

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- **Nomi:** AI chatbot assistant that answers resume-related queries (experience, education, certifications).
- **Filet (Node.js Library):** Lightweight middleware for handling file uploads efficiently.
- **ListenItPro (NuGet Package):** SQL Server listener for tracking and notifying table changes.
- **KrispCall (VoIP):** Scalable frontend and real-time backend using React, GraphQL, WebSockets, and Node.js.
- **Microsoft Teams App:** Designed and published a collaborative Teams application using React.
- **ERP Loyalty System:** Full-stack rewards platform with analytics and reporting.
- **Chrome Extension for CRM Integration:** Unified calling features across multiple CRM platforms.
- **IVR System:** Automated call routing and management system.