

Roshan Poudel

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Portfolio: roshanpoudel-pi.vercel.app — NuGet: [ListenItPro](#)

Professional Summary

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

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

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.

Full Stack Developer (Node.js, React, .NET)

- 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

Bachelor of Computer Applications (BCA)

Indira Gandhi National Open University (IGNOU), India

Certifications

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

Key Projects

- **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.