

Roshan Poudel

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Date of Birth: April 19, 1997

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GitHub: github.com/Rroshan12

NuGet Package: [nuget.org/packages/ListenItPro](https://www.nuget.org/packages/ListenItPro)

Objective

Dedicated **Senior Full Stack Software Engineer** with over five years of experience specializing in **Node.js**, **.NET development**, **JavaScript**, and **React**. Proven expertise in designing and developing scalable, high-performance applications while adhering to SOLID principles and best design patterns. Skilled in logging, monitoring, GraphQL, and gRPC, with experience leading teams, optimizing system performance, and implementing CI/CD pipelines for seamless deployment. Passionate about creating modern, efficient, and maintainable solutions that drive business success.

Technical Expertise

Backend Development:

Node.js, .NET Core, ASP.NET MVC, C#

Microservices Architecture, gRPC, GraphQL, REST API

SQL & NoSQL Databases:

MS SQL Server, PostgreSQL, MongoDB

Logging & Monitoring:

Serilog, Grafana, Prometheus

CI/CD Pipelines:

Jenkins, Azure DevOps

Background Jobs:

Hangfire

Security:

OAuth, JWT, Identity Server, Role-Based Access Control

Frontend & Full Stack Development:

React.js, React Native, JavaScript, TypeScript

Next.js, Redux, Ant Design, Material UI

Chrome Extension Development

Real-Time Web Applications:

WebSockets, GraphQL Subscriptions

DevOps & Cloud:

Docker, Nginx, Azure

Load Balancing & Traffic Optimization

AWS Services (S3, EC2, Lambda, RDS, CloudWatch)

Work Experience

Software Engineer | KrispCall Pvt Ltd

January 2024 - Present

- Built backend services prioritizing **Node.js** to enable scalable API integrations across platforms.
- Developed a Chrome extension to integrate calling functionality into 50+ CRM platforms.
- Implemented OAuth authentication for secure integration with Microsoft Teams, Dynamics 365, and other platforms.
- Designed IVR features to automate customer interactions and workflows.
- Built real-time applications using GraphQL Subscriptions and WebSockets.
- Collaborated across teams to architect solutions using **Node.js** and .NET for seamless full stack development.
- Mentored junior developers and participated in talent acquisition.

Software Engineer | Info Developers Pvt Ltd

July 2023 - December 2023

- Implemented Hangfire for background job processing, ensuring efficient task execution.
- Developed a multi-channel notification system (email, SMS, push).
- Designed and deployed a load balancer for optimized traffic distribution.
- Integrated gRPC services for high-performance microservices communication.
- Developed complex stored procedures and automated data processing jobs.

Software Engineer | Umbrella Solutions Pvt Ltd

November 2020 - June 2023

- Implemented **Node.js** microservices for efficient and responsive backend communication.
- Designed HR applications integrated with biometric thumb devices for attendance management.
- Developed an ERP loyalty system to improve customer retention using analytics-driven rewards.
- Built an online ticketing system with secure payment gateway integration.

- Created React Native-based applications for restaurant and parking management.
 - Led teams to ensure timely project delivery while optimizing database performance.
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Education

Bachelor of Computer Applications (BCA)

Indira Gandhi National Open University (IGNOU), India

Certifications & Training

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

- **ListenItPro (NuGet Package):** Developed a .NET package for SQL Server table (insert, update, delete) listener and notification system.
 - **KrispCall (VoIP):** Designed a scalable VoIP solution for seamless calling functionality using **Node.js** and GraphQL.
 - **Microsoft Teams App:** Developed and published a React-based app for Microsoft Teams.
 - **Loyalty System ERP:** Created a scalable ERP system for customer retention, analytics, and rewards management.
 - **Real-Time Applications:** Built applications utilizing WebSockets, GraphQL, and gRPC for low-latency communication.
 - **Chrome Extension for CRM:** Developed a Chrome extension for integrating calling features into 50+ CRMs.
 - **IVR System:** Designed and implemented an IVR system to automate business call processes.
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