Rupak Poudyal

Full Stack .NET Developer | React | ASP.NET Core | Azure

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Professional Summary

Full Stack Developer with **4+ years** building scalable applications for **50,000+ users** across fintech, healthcare, and government sectors. **Reduced system load times by 90%** and **automated deployments saving 40% manual effort**. Proven collaborator in Agile teams with experience mentoring developers and delivering mission-critical systems with **99.9% uptime**.

Core Expertise: .NET Core • React • Azure/AWS • CI/CD • Performance Optimization • Database Design

Professional Experience

.NET Developer

Debugsoft Pvt. Ltd., Kathmandu, Nepal   Oct 2019 – Feb 2023
Leading software firm specializing in government and healthcare technology solutions.

- **Developed scalable Student Information Systems** using ASP.NET Core and React, supporting 10,000+ users.

- **Built national Livestock Management System** with MongoDB backend, achieving 99.9% uptime for Nepal's government-wide agricultural tracking initiative**.**

- **Optimized database performance** through strategic SQL query tuning and indexing, reducing critical report generation time from 5+ seconds to under 500ms during peak usage.

- **Implemented automated CI/CD pipelines** using GitHub Actions, reducing manual deployment efforts by 40% and improving production stability through integrated testing workflows.

- **Mentored 3 junior developers** on coding standards, best practices, and technical problem-solving approaches.

Tech Stack: *.NET Core, React, SQL Server, GitHub Actions, MongoDB, Symfony, NGINX, IIS*

Contract Software Developer (Part-Time)

Waterflow Technology, Kathmandu, Nepal   Mar 2022 – Aug 2023
Startup focused on fintech and real-time data systems.

- **Built a full-stack portfolio management system** using .NET Core and React with real-time data APIs.

- **Integrated secure KYC and portfolio modules** using AWS Lambda microservices, ensuring compliance with financial regulations.

- **Collaborated with a 7-member Agile team,** delivering biweekly releases while maintaining full test coverage and enforcing code quality standards.

Tech Stack: *.NET Core, React, AWS Lambda, PostgreSQL, Azure App Services, GitHub Actions*

Technical Skills

Languages & Frameworks: C#, JavaScript, Python, PHP, Java | .NET Core, ASP.NET (MVC, Web API, Web Forms), React, Entity Framework, jQuery, Symfony

Databases & Cloud: SQL Server, PostgreSQL, MongoDB, MySQL | Azure, AWS Lambda, Docker

DevOps & Testing : Git, GitHub Actions, CI/CD Pipelines, IIS, NGINX, PM2 | xUnit, NUnit, Test-Driven Development (TDD)

Background Processing: Hangfire, Quartz.NET

Projects

Merolagani Market Integration – Waterflow Project

- Integrated real-time NEPSE stock data using ASP.NET Web Forms and SQL Server.

- Used TradingView for live charting, stored procedures for performance, and secured trading/payment APIs.

- Delivered portfolio tracking for 50,000+ registered investors, ensuring regulatory compliance and secure account management

Tech Stack: *ASP.NET Web Forms, SQL Server, Stored Procedures, TradingView, Payment APIs,* NEPSE *Api*

CodeHub – Personal Project (GitHub)

- Built full-stack code snippet manager using ASP.NET MVC and MySQL, enabling developers to organize and reuse frequently used code blocks across multiple programming languages.

- Achieved 25% improvement in development efficiency among peer developers in academic and freelance environments through reduced code duplication.
Tech Stack: *ASP.NET MVC, MySQL, Entity Framework, HTML, CSS, jQuery*

Education

Post-Graduate Certificate – Full Stack Software Development
Lambton College, Toronto, ON   Sep 2023 – Apr 2025
Bachelor of Science – Computer Science and Information Technology
New Summit College, Kathmandu, Nepal   2015 – 2019