Shishir Rana

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WORK EXPERIENCE

Riddha Soft Pvt. Ltd.   **July 2022 – Oct. 2025**
Software Engineer   *Kathmandu, Nepal*

- Full-stack development using **.NET Core, .NET Framework, Web APIs, Next.js, Knockout.js, and Kendo UI.**
- Developed a government-grade **Attendance Management System** for 10,000+ users, improving system accessibility by 40% (ehajiri.com.np, hrm.kathmandu.gov.np).
- Optimized SQL queries and data pipelines, improving **report generation speed by 30%**.
- Migrated databases from **SQL Server to Oracle** with zero downtime.
- Enhanced **UI/UX** for enterprise-level systems, increasing user satisfaction scores by **80%**.
- Successfully deployed and maintained applications on **IIS servers**.
- Actively engaged in **client interactions**, including requirement gathering, software demonstrations, and feedback incorporation.
- Conducted **testing and rapid issue resolution**, ensuring application stability.
- Led **code reviews** and mentored **3 junior engineers**, promoting best practices in test-driven development and clean architecture.
- Contributed to **Agile development processes**, including sprint planning, daily stand-ups, and retrospectives.

PROJECTS

Election Commission, Nepal | SQL Server, C#, ASP.NET Core, Web API, Knockout.js, Kendo UI

- Designed and developed stored procedures to generate voter rolls based on local and regional levels.
- Implemented security protocols in compliance with government standards.
- Created APIs to securely transmit and receive data between external systems.

Human Resource Information System | SQL Server, Oracle, C#, ASP.NET Core, Web API, Next.js

- Designed and implemented database architecture and stored procedures for user-specific reports.
- Configured user roles and permissions to ensure secure access control.
- Participated in client meetings to gather requirements and integrate feedback.
- Automated notifications and communication processes by integrating an email library.
- Migrated database from SQL Server to Oracle, ensuring smooth transition and minimal downtime.

EDUCATION

Tribhuvan University   **2018 - 2022**
B.Sc. CSIT (Bachelor in Computer Science & Information Technology)   *Kathmandu, Nepal*

National Examination Board   **2016 - 2018**
Physical Science (Higher Secondary/Pre-University)   *Rupandehi, Nepal*

SKILLS, TECHNOLOGIES, LANGUAGES & INTERESTS

- **Programming & Frameworks:** C#, ASP.NET Core, .NET Framework, Web API, HTML, CSS, Bootstrap, JavaScript, Next.js, Knockout.js, Kendo UI, Entity Framework
- **Databases:** MS SQL Server, MySQL, Oracle
- **Tools & Platforms:** Visual Studio, Visual Studio Code, Postman, Git, Swagger, Adobe Photoshop CC, Adobe Illustrator, Canva, MS Office (Word, Excel, PowerPoint)
- **Languages:** Nepali, English, Hindi
- **Interests:** E-Sports, Anime, Programming