Rocky Kumar Mishra

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SKILLS

Azure, C#, .NET Framework, .NET 6, T-SQL, MS-SQl, MySql, PostgreSQL, HTML/CSS/JavaScript, KnockoutJS, Azure DevOps, Gitlab, Github, CI/CD, Jira, Agile Methodology, Biometric devices

WORK EXPERIENCE

SG Innovations   **Kathmandu, Nepal**
Senior Software Engineer   **Apr 2023 - Present**

- Architected and deployed advanced cybersecurity measures at SPHERE Technology Solutions, fortifying systems for clients such as Northwell Health and T-Mobile; reduced potential vulnerabilities by 35% and improved incident response times by 50%.

- Enhancing the backend infrastructure of an integrated BI system, focusing on both cloud assets and on-premises resources. Facilitating migrating monolithic projects to a microservices architecture, including the transition from .NET Framework 4.X to .NET 6.

- Revamped the system architecture by implementing a comprehensive system overhaul using C#, .NET Core, and MVC Framework, resulting in a remarkable 40% decrease in website loading time, leading to a significant increase in customer retention rate and enhanced user experience.

- Utilizing technologies including *C#, .NET Framework, .NET 6, API, MVC Framework, Windows Services, MS-SQL, T-SQL, Vue.JS, and tools such as Jira, GitHub, and Jenkins.*

Aerion Technologies   **Kathmandu, Nepal**
Software Engineer   **Dec 2021 - Apr 2023**

- Enhanced a pharmacy product for multiple clients and developed backend solutions for a fintech platform, facilitating merchant loans on Amazon and Lazada, boosting merchant loan uptake by 40%. Optimized an ETL framework for data processing from raw files to cloud platforms such as AWS or Azure.

- Leveraged technologies including *C#, .NET Framework, .NET 6, Azure Functions, Azure Blob Storage, AWS S3 Bucket, MySQL, PostgreSQL, React, Azure DevOps, and ClickUp.*

Sherpa Technologies   **Kathmandu, Nepal**
Software Engineer (Freelance)   **Mar 2022 - Present**

- Engaged in the development of a school directory project, "The Independent Schools Directory," containing information on UK independent schools, with a backend based on ASP.NET and SQL Server. Leading efforts in upgrading on-premises servers to Azure Cloud.

- Utilized technologies such as *C#, .NET Framework, .NET 6, Azure Functions, Blob Storage, MS-SQL, and Vanilla JS.*

Bidhee Pvt. Ltd.   **Kathmandu, Nepal**

.NET Developer (Freelance)   **Aug 2021 - Present**

- Orchestrated the development of attendance management devices, focusing on hardware SDKs using .NET and Windows services; optimized SDK performance, leading to a 40% increase in data processing speed.
- Employing technologies like ***C#, .NET 6, Windows Scheduler, PowerShell scripts, MS-SQL, and IIS Server.***

Inficare Pvt Ltd.   **Kathmandu, Nepal**

Software Developer   **Oct 2020 - Dec 2021**

- Established DevOps environment across company projects and integrated various payment gateways into the IRemitX project, including Xendit, InPay, UnionPay, JP Remit, Artajasa, Kotak Bank, SentBe, and other South East Asian gateways.
- Managed Azure cloud resources for IRemitX, handling millions of transactions, and implemented DevOps practices for cloud infrastructure.
- ***Employed a blend of C#, .NET Core, .NET Framework, MVC Framework, API, MS-SQL***, ***Stored procedures, IIS Server, RDP, Azure Functions, Azure blob storage, Azure SQL Database, Azure VPN, Azure FrontDoor, Azure API Services, Azure DevOps, CI/CD***

InfoDevelopers Pvt. Ltd.   **Lalitpur, Nepal**

Engineer   **Apr 2019 - Oct 2020**

- Developed and improved a core banking system on .NET technology and managed client transaction databases in MS SQL Server.
- Upgraded legacy .NET Framework 4.0 applications to enhance multi-threading capabilities and effectively documented development results.
- ***Leveraged a tech stack comprising C#, .NET Core, .NET Framework, MVC Framework, API, MS-SQL, Stored procedures, IIS Server, Telerik reporting, KnockoutJS, GitLab***

Bharyang Ventures   **Kathmandu, Nepal**

.NET Developer   **Jan 2018 - Mar 2019**

- Developed an in-house accounting solution on .NET Core technology and managed client transaction databases in MS SQL Server.
- Collaborated with accounting personnel to deliver functional applications with intuitive interfaces.
- ***Utilized a toolkit consisting of C#, .NET MVC 5, MS-SQL Server***

EDUCATION

Brandenburg Technical University - Cottbus   **Brandenburg, Germany**

M.Sc. Artificial Intelligence   **Nov 2025**

Asian College of Higher Studies   **Kathmandu, Nepal**

B.Sc. Computer Science and Information Technology   **Dec 2019**

PROJECT EXPERIENCE

Empower/Infinity CBS (ISO 9001:2015 Certified)   **Kathmandu, Nepal**

Upgraded .NET Framework from 4.0 to 4.7.2.   **Apr 2019 - Oct 2020**

• Created and optimized T-SQL queries along with database schema.

National Investigation Department HR   **Kathmandu, Nepal**

Designed, developed, and enhanced existing transactional procedures.   **Apr 2020 - Oct 2020**

• Implemented report generation mechanism for the entire project using Telerik reporting.

Fuel Finding Mechanism   **Kathmandu, Nepal**

Final year University Project   **Sep 2018 - Dec 2018**

• Fuel finding mechanism was a final year team project which was a fuel station locating app based on IoT for fuel checking and locating and Ruby on Rails for the backend, which helps the end-user to find all the possible fuel stations where fuel is available and delivering the shortest path to the user using Open Street Map.

LEADERSHIP EXPERIENCE

Aerion Technologies   **Kathmandu, Nepal**

credilinq.ai   **Feb 2022 - Apr 2023**

• Developing, optimizing, and delivering end-to-end fintech solutions for investment clients based in Singapore and Australia which provide loan facilities to the merchants of leading online eCommerce platforms like Amazon and Lazada.

ACHIEVEMENTS

Microsoft Learn Student Ambassadors: Microsoft