Sandesh Dhakal

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Professional Summary

Result Driven Software Engineer with expertise in designing, developing, and deploying scalable software solutions. Proficient in .NET, Javascript, Blazor, .Net Maui, React, Next.js and Agile methodologies. Strong skills in integrating third-party hardware components, optimizing system performance, and maintaining technical documentation. Experienced in translating business needs into technical requirements and collaborating with cross-functional teams. Seeking to contribute to impactful projects and innovative developments in the Information Technology field.

Professional Experience

Software Engineer
The High Innovations Pvt. Ltd, Nepal
November 2023 – Present

- Spearheaded the design, development, and deployment of scalable Point of Sale (POS) software for retail and hospitality industries.
- Led the design and development of a cross-platform POS application using .NET MAUI for iOS and Android.
- Collaborated with cross-functional teams to define technical requirements and ensure timely delivery of software solutions.
- Integrated third-party hardware components (barcode scanners, card readers, printers) into POS systems.
- Developed and maintained technical documentation including system architecture, API documentation, and user manuals.
- Managed project budgets and timelines, ensuring projects were completed within scope and on schedule.

- Mentored junior developers, enhancing team skills and productivity.
- Developed a Property Review application, for following the latest property trends in Australia.

.NET Developer
Aava Global Pvt. Ltd, Nepal
December 2022 – October 2023

- Developed and tested APIs for a Human Resource Information System (HRIS) using .NET.
- Designed optimized database architecture to enhance performance and scalability.
- Employed Redis Caching, JWT, and Dapper for robust system performance.
- Integrated APIs with AWS S3 for cloud-based image storage solutions.
- Ensured compliance with security best practices, safeguarding sensitive HR data against potential vulnerabilities.
- Created comprehensive API documentation using tools like Swagger, facilitating easier integration for frontend teams and third-party developers.

Software Developer
Kantipur Media Group Pvt. Ltd, Nepal
August 2022 – January 2023

- Designed and implemented new features for Human Resource Management Software.
- Integrated Beat-route API for efficient employee attendance management.
- Developed a web-based platform for the General Election 2022 to manage results and candidate information.
- Worked closely with marketing, editorial, and engineering teams to facilitate development and deployment.
- Utilized Laravel framework and Git version control, demonstrating expertise in modern PHP development tools.

Education

Bachelor's in Computing
Islington College, Kathmandu
January 2020 – April 2022

Skills

- **Programming Languages**: .C#, JavaScript, HTML, CSS, PHP, Python
- **Technologies**: .NET, Blazor, React, Next.js, Angular,Redis Caching, AWS S3, Git, Docker, Linux
- **Database Management**: SQL, PostgreSQL, MySQL, NoSQL
- **Development Methodologies**: Agile, Spiral, Iterative, Prototype
- **Other Skills**: RESTful API, GraphQL, Cloud-Based Storage, Scalable System Design

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Projects

- **Election Results Website**: Developed a real-time web solution for the General Election 2022 to manage results and candidate data.
- **HRIS Development**: Contributed to the enhancement of a Human Resource Information System, improving functionality and user experience.
- **POS** : Designing, planning and development of POS system for Nepali Market. With mobile pay integration, Multi tenant, Multi vendor platform.
- **Property Watch** : Build a Next.js based platform for real-time property reviews and trend analysis, improving data-driven decision making.
- **ZKTECO** : Attendance puller for standalone devices to manage attendance sync in different office location under same public IP. To leverage proper attendance management.
  https://github.com/SandeshDhakal0/ZKTeco-Device-Config-for-Attendance