

Aaryan Jha

Software Engineer

9745471881 • whcloud91@gmail.com • linkedin.com/in/aaryanjha • github.com/screamingsyntax
• aaryanj.com.np

PROFESSIONAL SUMMARY

Detail-oriented **Software Engineer** specializing in **ASP.NET Core**, multi-tenant architecture, and secure enterprise systems. Proven experience in developing **scalable backend solutions**, implementing **REST APIs**, and applying **Clean Architecture** principles. Skilled in collaborating across international teams and delivering performance-optimized applications. Passionate about solving real-world business challenges through robust backend engineering.

EXPERIENCE

Software Engineer

Vertex Special Technology, Lalitpur, Nepal

Feb 2025 - Present • On-site (Promoted from Trainee role)

- Promoted to full-time Software Engineer based on strong performance during training period.
- Developed a payment system in the accounting module for seamless transactions.
- Worked on multi-tenant architecture and secure 2FA system with trusted device support.
- Built advanced Excel import/export functionality for efficient data handling.
- Strengthened data security through authenticator app integration and device fingerprinting.

Software Engineer Trainee

Vertex Special Technology, Lalitpur, Nepal

Jul 2024 - Jan 2025

- Developed enterprise applications using .NET Core and deployed projects to IIS.
- Integrated IoT punch-in/out system for real-time attendance tracking.
- Conducted knowledge transfer sessions across teams in Nepal, Pakistan, and the US.
- Collaborated with business analysts, developers, and QA teams to ensure successful delivery.
- Implemented Clean Architecture principles.

SKILLS

- **Frameworks & Libraries:** ASP.NET Core, .NET MVC, Entity Framework, LINQ, Flutter, EPPlus
- **Databases:** MS SQL, PostgreSQL
- **Web & APIs:** REST APIs, JWT, 2FA, Device Fingerprinting
- **Tools & Platforms:** Git, GitHub, IIS Deployment, BitBucket
- **Architecture & Patterns:** Clean Architecture, Bloc
- **Methodologies:** Agile, Scrum, Jira, Trello
- **Other:** Stripe Integration, IoT Systems

EDUCATION

BSc (Hons) Computing

Itahari International College (London Metropolitan University), Nepal

2019 – 2023

- Graduated with **74% (Straight A)**
- **Triple A Scholarship** for excellence in Academics, Attendance, and Discipline

AWARDS & HONORS

- Selected for International Exposure Trip to Thailand (2024)
- 3rd Place, 30-Second Pitch Challenge, DesignThinkers Academy, Thailand
- Mentor at Hack4SafeFood Hackathon – Guided winning team (Team Syntax Error)
- Triple A Scholarship for academic excellence, discipline, and attendance

PROJECTS

Yantra (Vertex Special Technologies)

- Built IoT-based biometric system for real-time employee attendance tracking using ASP.NET Core.
- Developed and maintained RESTful APIs for HR system modules with role-based access.
- Deployed solution to IIS, designed scalable schemas, and ensured seamless data access.
- Integrated 2FA using authenticator app and email for enhanced account security.
- Implemented trusted device mechanism using unique device fingerprinting to intelligently skip 2FA.

Numalrik (Vertex Special Technologies)

- Implemented accounting modules using ASP.NET Core for accuracy and compliance.
- Built data export tools (Excel, PDF, CSV) with zero-overhead processing.
- Integrated Stripe for secure billing and subscription features.

MENTORING/ LEADERSHIP

• Hackathon Mentor – Hack4SafeFood (Feb 2025)

Mentored 2 teams:

- Mentored winning team Syntax Error
- Guided Pascal College team in designing food traceability tools

LANGUAGES

• English (Fluent) • Nepali (Native) • Hindi (Conversational)

REFERENCES

- Nabaraj Ghimire (Backend Lead, Vertex Special Technologies) • +977 9846817216