Kashyap Raj Karki **Backend Software Developer**

kashyaprajkarki@gmail.com | +977 9843671552 | Kathmandu, Nepal

GitHub | LinkedIn | Portfolio

Professional Summary

Backend-focused software developer with 2+ years of experience designing, building, and operating server-side systems, internal platforms, and cloud infrastructure. Strong command of Node.js, Python, and Java, with hands-on AWS and Docker experience across the full lifecycle: architecture, development, deployment, and production support. Currently building MCP (Model Context Protocol) servers that connect AI applications to external services, with a focus on secure authentication, authorization, and credential management. Security-conscious, product-minded engineer who owns features end to end and contributes to technical decisions.

Technical Skills

Languages: JavaScript (Node.js), Python, Java

Backend & Architecture: REST API design, system architecture, microservice-style integrations, telemetry and monitoring pipelines, third-party service integration

Cloud & DevOps: AWS, Docker, containerized environments, application deployment, infrastructure configuration

AI Integration: Model Context Protocol (MCP) servers, tool integrations for AI applications

Security: Authentication and authorization design, secure credential and secrets management

Practices: End-to-end feature ownership, technical decision-making, production troubleshooting, client-facing technical support

Professional Experience

Software Developer | MCP Express (Product Website) *Oct 2025 – Present*

- Design and build MCP servers and tool integrations that let AI applications securely interact with external services and APIs.
- Architect system components with emphasis on authentication, authorization, and secure credential management.
- Own application deployment, Docker-based environments, and infrastructure configuration.
- Contribute to product design and technical decision-making, delivering features end to end from requirements to production.

Back End Developer | Aerial Arts LLC *Jan 2022 – Sept 2023*

- Designed and developed a centralized telemetry platform to collect, process, and monitor server metrics across multiple client environments, improving infrastructure visibility and troubleshooting efficiency.
- Provided ongoing technical support, troubleshooting, and operational assistance to clients, keeping systems reliable and infrastructure running smoothly.

Intern | Magus Consulting Group Pvt. Ltd. *Apr 2021 – Dec 2021*

- Built a problem-tracking system for a client application serving Gramin-model lending, where groups of farmers collectively apply for loans, enabling structured issue reporting and resolution.
- Gained hands-on experience in professional software development practices and team workflows, which led into a full-time backend role.

Education

Bachelor of Science in Computer Science and Information Technology (B.Sc. CSIT) College of Applied Business and Information Technology, Kathmandu *2019 – 2023*