

SADEV SABUDDHIKA

Cloud & DevOps Engineering Intern

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[LinkedIn Profile](#) | [GitHub Profile](#) | Portfolio: sadevsabuddhika.tech

PROFILE

Detail-oriented and proactive Information and Communication Technology undergraduate with a strong foundation in cloud computing, serverless architectures, and automation. Proven experience in designing, deploying, and securing cost-effective, two-tier serverless applications on Microsoft Azure. Adept at streamlining backend APIs, managing relational and NoSQL databases, and optimizing workflows through Git/GitHub. Passionate about cloud infrastructure, scripting, and system administration, looking to leverage hands-on technical skills in a Cloud, DevOps, or Cloud Administrator Internship.

EDUCATION

Bachelor of Information and Communication Technology (BICT) Hons
Specialization in Computer Networks

Sep 2023 - Present (UG)

Faculty of Computing & Technology, University of Kelaniya, LK

TECHNICAL SKILLS

- **Cloud Platforms & Services:** Microsoft Azure (Virtual Machines, Static Web Apps, Functions, Cosmos DB, Azure Communication Services)
 - **DevOps, CI/CD & Observability:** GitHub Actions, Git, GitHub, Docker, Prometheus, Grafana, Alertmanager, Linux (Ubuntu)
 - **Web Development:** Python (Django), HTML, CSS, JavaScript
 - **Databases & Storage:** PostgreSQL, MySQL, NoSQL (Azure Cosmos DB)
 - **Networking & Protocols:** Cisco Packet Tracer, Wireshark, MQTT, Domain Routing
 - **Security & Cryptography:** Kleopatra, API Gateway Rate Limiting
 - **Project Management & Collaboration:** Jira, Azure Board
 - **Design & Prototyping:** Figma
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KEY PROJECTS

Serverless Portfolio Architecture (Microsoft Azure) | [GitHub Link](#)

2026

- Engineered a two-tier serverless web application auto-scaling to zero during idle traffic. Hardened API security using custom sliding-window rate limiting via proxy headers to prevent spam, and decoupled production secrets via dynamic Azure configuration containers.
- Technologies: Azure Static Web Apps, Azure Functions (Python), Cosmos DB, Azure Communication Services, Git

Cloud Observability & Incident Response Pipeline | [GitHub Link](#)

2026

- Deployed an automated, multi-container telemetry and real-time alerting pipeline on an Azure Ubuntu VM using Docker Compose. Instrumented Python FastAPI microservices with Prometheus client metrics, established PromQL alert rules for 5xx error spikes, routed Alertmanager webhooks to Telegram for instant mobile escalation, and built live Grafana dashboards.
- Technologies: Microsoft Azure (Linux VM), Docker Compose, FastAPI, Prometheus, Grafana, Alertmanager

Rebuild – Donation Coordination Platform | [GitHub Link](#)

Ongoing

- Co-developed a scalable web platform connecting donors and NGOs for resource pledging. Architected role-based access control (RBAC) in Django and PostgreSQL for secure data isolation, integrated Google Gemini AI for automated PDF document extraction, and containerized dev environments with Docker.
- Technologies: Django, PostgreSQL, Next.js, TypeScript, Google Gemini AI, Docker, Prometheus, Grafana

Smart Building Management System | [Documents](#)

2024

- Designed and programmed an IoT Switch Control Unit (SCU) edge device using ESP32/Arduino to manage industrial appliances. Retrofitted legacy infrastructure with low-latency MQTT Wi-Fi protocols for automated building energy optimization.
- Technologies: IoT (ESP32), Arduino, MQTT, Wi-Fi Networking, C++

CERTIFICATIONS & ACHIEVEMENTS

- **Microsoft Certified: Azure Fundamentals (AZ-900)** — *In Progress*
- Cisco Networking Academy Linux Essentials ([Verify](#))
- Cisco Networking Academy IT Essentials ([Verify](#))
- Microsoft Learn Profile ([Microsoft Badges](#))

SOFT SKILLS

- Problem-Solving
- Adaptability
- Collaborative Communication
- Customer Focus