

HEMRAJ ADHIKARI

Full-Stack Developer | Backend & CRM Systems Engineer | Cloud Solutions Specialist

+977-9865802093 | hemrajhadhikari@gmail.com | linkedin.com/in/hemrajadhikary | github.com/hemraj-adhikari |
hemrajadhikari.info.np | Kathmandu, Nepal

PROFESSIONAL SUMMARY

Full-Stack Developer and Cloud Solutions Specialist with 2+ years of experience designing, building, and administering backend-heavy CRM platforms, enterprise systems, and cloud infrastructure. Proven track record architecting scalable Node.js/Next.js backends, relational and NoSQL data layers (PostgreSQL, Firebase, MongoDB), and RESTful APIs, while leading cross-functional teams as both an engineer and IT/project leader. Combines hands-on AWS cloud administration (EC2, S3, IAM, VPC, CloudWatch) with full-stack delivery of production CRM and internal-tooling platforms serving 50+ enterprise users and 30+ partner integrations. Currently directing CRM architecture and technical delivery for organizations in Nepal and the UK, seeking a Full-Stack Developer / Backend Engineer role focused on Cloud and CRM Systems.

CORE COMPETENCIES

Full-Stack Development • Backend Architecture & API Design • CRM Systems Architecture • Cloud Infrastructure (AWS) • Database Design & Administration • RESTful API Development • System Design & Scalability • DevOps & CI/CD • Role-Based Access Control (RBAC) & Security • Technical Project Leadership • Agile Delivery • Process Automation • SaaS Platform Administration • Stakeholder Management

TECHNICAL SKILLS

Languages: Java • JavaScript • TypeScript • Python • C# • C++ • Swift

Frontend: React • Next.js • Tailwind CSS • HTML5 • CSS3 • Responsive & UI/UX Design

Backend: Node.js • NestJS • FastAPI • RESTful API Design • Prisma ORM • Redis • BullMQ

Databases: PostgreSQL • MySQL • MongoDB • Firebase / Firestore

Cloud & DevOps: AWS (EC2, S3, IAM, VPC, CloudWatch, Route 53) • Microsoft Azure Fundamentals • Google Cloud Platform • Docker • CI/CD Pipelines • Vercel • Git & GitHub

CRM & Enterprise Systems: CRM Architecture • SaaS Platform Administration • RBAC & MFA • Workflow Automation • Data Governance • API Integration

Mobile: iOS App Development (Swift) • Mobile API Integration

IT Operations & Tools: Windows Server • Active Directory & GPO • Microsoft 365 • Google Workspace • cPanel & WHM • Linux (Ubuntu, CentOS) • ITSM / Helpdesk Operations

PROFESSIONAL EXPERIENCE

Project Manager — CRM & Full-Stack Development

Jul 2026 – Present

Dreams Care Homes | Newport, Wales, United Kingdom (Hybrid)

- Directed the technical roadmap and full-stack development of a bespoke CRM and staff-compliance portal for a UK domiciliary care agency, architecting the system on Next.js 14, TypeScript, and Tailwind CSS.
- Designed the backend data and access layer using Firebase (Auth, Firestore, Storage) with role-based security rules, laying the foundation for a planned migration to a NestJS/PostgreSQL production backend.
- Led end-to-end project delivery — requirements gathering, sprint planning, and stakeholder communication with UK leadership — coordinating development activities and deliverables across a distributed team.
- Rebuilt the compliance portal's UI/UX around a production-grade design system with real-time interactive components, improving usability and professional presentation of the platform.

Head of Information Technology Department

Feb 2026 – Present

Route2Uni International Group | Kathmandu, Nepal (On-site)

- Promoted to lead the IT department, directing infrastructure strategy, cloud operations, and technology initiatives supporting 50+ staff across the organization.
- Serving as project lead on a full-stack rebuild of the company's core CRM platform, architecting a 10-phase migration roadmap onto Next.js, NestJS, PostgreSQL, Prisma, Redis, and BullMQ, deployed on AWS.
- Administer AWS cloud infrastructure (EC2, S3, IAM, VPC, CloudWatch) and enforce RBAC/MFA governance policies, achieving 100% compliance with internal security standards.
- Manage 30+ university partner-portal integrations, maintaining 99%+ uptime and real-time data accuracy across all partner workflows.

iOS Developer (Remote Internship)

Jun 2026 – Present

Apple | Remote (Indonesia)

- Selected as a Remote iOS Developer Intern, contributing to the development and maintenance of production iOS applications within an international engineering team.
- Apply Swift and mobile API integration practices to backend-connected iOS features, gaining hands-on experience in mobile-backend data flow and application architecture.

IT Officer — UK Team & Nepal Team

Feb 2025 – Jan 2026

Route2Uni International Group | Kathmandu, Nepal

- Administered CRM operations and application workflows for the UK team, maintaining data integrity across 40+ UK university partner integrations.
- Engineered automated reporting dashboards through scripting and workflow automation, reducing manual reporting overhead by 40%.
- Coordinated cross-functional workflows spanning student support, admissions, and infrastructure teams, reducing average ticket resolution time by 25%.
- Delivered L1/L2 technical support across the organization, maintaining sub-2-hour SLA response times in a high-throughput consultancy environment.

IT Support Specialist

Feb 2023 – Jan 2024

Percoid IT Solutions | Lalitpur, Nepal

- Delivered L1/L2 helpdesk support to 100+ users across hardware, software, and network domains, achieving a 95% first-call resolution rate while meeting all SLA targets.
- Deployed and maintained Windows 10/11 endpoints and administered Windows Server / Active Directory environments, including user lifecycle management and Group Policy configuration.
- Restructured IT asset inventory and hardware lifecycle documentation, improving asset tracking accuracy by 25% and reducing procurement delays.

EDUCATION

Bachelor of Science in Computer Science and Information Technology 2023 – ongoing

Kathmandu Model | Model Institute of Technology, (MIT)

Bachelor of Information Technology (B.I.T.)

2024 – ongoing

Janamaitri Multiple Campus, Kathmandu | Bagmati Pradesh University

Higher Secondary Certificate (+2), Computer Science

Completed 2022

Sodsha Devi School | National Examination Board (NEB)

CERTIFICATIONS

- Google Cybersecurity Professional Certificate — Google (2026)
- Google Advanced Data Analytics Professional Certificate — Google (2026)

- Google AI Professional Certificate — Google (2026)
- IBM AI Developer Professional Certificate — IBM (2026)
- Google Project Management: Foundations of Project Management — Google (2026)
- cPanel & WHM Administration Certification — cPanel (Dec 2025)
- Hardware Maintenance and Networking — D/T Solution (2023)

Additional micro-credentials (35+): Google & Microsoft courses in AI for App Building, Automate Cybersecurity Tasks with Python, Regression Analysis, Tools of the Trade (Linux & SQL), Assets/Threats/Vulnerabilities, Deployment Patterns, Microsoft Defender Automation & Incident Mitigation, and Configure Microsoft 365 full list available on LinkedIn.