

Lee (Bipin) Baral

Full Stack Developer

Pokhara, Gandaki, Nepal | +977 9846751687 | baburaja3421@gmail.com | bipinbaral.com.np | linkedin.com/in/lee-baral-759532195

SUMMARY

Full Stack Developer with 3+ years of experience designing, building, and deploying production systems end-to-end — from React/Next.js interfaces to NestJS/Node.js backends, PostgreSQL data models, and Docker/CI/CD infrastructure. Progressed from Back End Full Stack Developer to Tech Lead at Tonic Byte, leading backend architecture and project delivery. Founder of two live self-built products (MCQ Exam Center, RoomKhoj) with hands-on DevOps experience across Nginx, Ansible, and Microsoft Azure.

TECHNICAL SKILLS

Languages	JavaScript, TypeScript
Frontend	React.js, Next.js, React Native
Backend	Node.js, NestJS, Express.js, REST APIs, GraphQL
Databases & ORM	PostgreSQL, MongoDB, Redis, TypeORM, Prisma ORM, Firebase
DevOps & Cloud	Docker, CI/CD, Nginx, Ansible, Microsoft Azure (Blob Storage), VPS Deployment, PM2
Other Tools	Git, GitHub, BullMQ, n8n, Project Management, Agile Teamwork

EXPERIENCE

Tech Lead / Back End Full Stack Developer

Aug 2024 - Apr 2026

Tonic Byte (P) Ltd. — Pokhara, Nepal (On-site)

- Progressed from Back End Full Stack Developer to Tech Lead, taking ownership of backend architecture and technical project leadership.
- Built and maintained scalable backend systems and REST APIs using Node.js and NestJS, integrated with React front-end applications.
- Led project planning and delivery, coordinating a development team and setting CI/CD and code-quality standards.
- Worked across Docker, Azure DevOps Services, and Prisma ORM to ship and maintain production features.

Freelance Software Engineer

Aug 2023 - Present

Self-Employed — Remote

- MCQ Exam Center** (mcqexamcenter.com) — Built a live, enterprise-grade ed-tech SaaS examination platform from scratch on NestJS, React, PostgreSQL, and Redis; containerized with Docker behind Nginx, with CI/CD pipelines, RBAC/rate-limiting/auth security, Azure Blob Storage, n8n workflow automation, and Ansible-managed infrastructure.
- RoomKhoj** (roomkhoj.com) — Built a room rental marketplace for Pokhara covering 50+ cities, using Next.js and NestJS; offloaded email notifications to a BullMQ + Redis job queue for asynchronous, retry-safe processing, keeping API response times fast; deployed on a VPS with PM2 and Nginx.
- Connect Job Center** — Delivered as part of ongoing freelance full-stack project work.

Back End Developer

May 2024 - Aug 2024

Black Tech. — Pokhara, Gandaki, Nepal (On-site)

- Developed back-end services and REST APIs using Express.js and NestJS as part of the core engineering team.

Full Stack Developer — Intern

Apr 2024 - May 2024

Zero K.M. — Pokhara, Gandaki, Nepal (On-site)

- Built full-stack features using the MERN stack (MongoDB, Express.js, React.js, Node.js) under senior engineer guidance.

EDUCATION

Bachelor's Degree, Computer Software Engineering

Pokhara Vishwavidalaya