

Deshant Devkota

Senior Full-Stack Engineer | Node.js | TypeScript | Next.js | AWS

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Senior full-stack engineer with 5+ years building production Node.js and TypeScript systems across fintech, IoT, logistics and e-commerce, usually as the sole engineer from schema to release. Architected the AWS IoT platform behind POS terminals live at Nabil Bank and Prime Bank; now owns backend and CI/CD for an international cargo platform and sells a desktop product built end to end. Available for remote senior full-stack or backend roles, contract or full-time, overlapping US, EU and AU hours.

EXPERIENCE

Software Engineer (Freelance, Remote)

Feb 2026 – Present

AgExpress Cargo, international cargo and freight platform

Own the backend, infrastructure and ongoing optimisation for a platform operating 92 branches across six countries. Built the CI/CD pipeline from scratch (GitHub Actions to Google Artifact Registry via Workload Identity Federation, Compose deployments behind Nginx), integrated US customs AMS filing through the IBC Pactrak API, and shipped lead and partner management with country, province and district territory routing.

Stack: NestJS, Next.js, TypeScript, PostgreSQL, TypeORM, Docker Compose, GitHub Actions, Google Cloud (Artifact Registry, Compute Engine, WIF), Nginx

Founder and Sole Engineer, OneTake

Apr 2026 – Present

Paid desktop app for video creators — onetakeproject.com

Designed, built, shipped and sell an always-on-top overlay for OBS Studio that snips mistakes during recording and exports one clean file (Windows, macOS, Linux). Electron app plus a Next.js licensing site: Google OAuth via Supabase, Paddle Billing for one-time and subscription licences, S3-hosted installers, shared UI package on GitHub Packages. Released through Git Flow, conventional commits, tagged versions and GitHub Actions.

Stack: Electron, React, TypeScript, Next.js (Vercel), Supabase Auth, Paddle Billing v2, AWS S3, GitHub Actions, GitHub Packages

Senior Software Engineer, Node.js and AWS

Sep 2023 – Feb 2026

Nepal Digital Systems — contract from Sep 2023, full-time from Dec 2024

Owned end-to-end delivery of a Terminal Management System for certified POS devices, live at Nabil Bank and Prime Bank on 50+ terminals, in six months as sole engineer: schema, Next.js/Prisma backend, React front end, RBAC for admins, banks, merchants and field staff. Built the real-time pipeline on AWS IoT Core (provision-by-claim certificates, MQTT-triggered Lambdas, SigV4 WebSocket log streaming) and fixed connection exhaustion under Lambda concurrency with RDS Proxy, read replicas and SQS buffering. Also delivered the Card Activation Terminal for SCT (Cognito, DynamoDB, OTA), Soundbox and dynamic QR payments, Shopify storefronts for two US brands in one store and, under the earlier contract, a device UI compiled into ESP32/WLED firmware for Hypnotik.

Stack: Node.js, Next.js, TypeScript, Prisma, PostgreSQL (RDS, RDS Proxy), Lambda, IoT Core, SQS, API Gateway, Cognito, DynamoDB, CloudFormation, Shopify

Technical Co-Founder and Lead Engineer

Jul 2023 – Dec 2024

DASRAA Technology Pvt. Ltd.

Sole engineer across 30+ client projects in Nepal, Australia, Greece and the US. Built and launched the headless MedusaJS store for Aloe Herbarials (Next.js SSR storefront, custom eSewa payment and NepalCanMove fulfilment providers, Algolia, Twilio, SendGrid, Redis/BullMQ) that held 200–300 concurrent shoppers during TikTok live events and drove NPR 100,000+ first-year revenue; migrated and scaled a Laravel real-estate platform across six franchise sites for an Australian client; delivered 25+ WordPress sites.

Stack: Node.js, MedusaJS, Next.js, PostgreSQL, Redis (BullMQ), Laravel, GitHub Actions, DigitalOcean

Earlier: Web Developer Intern then Developer, Sikshya Technology (Nov 2021 – Jul 2022); Freelance Developer, Big Industries Nepal, custom PHP/MySQL CMS (2019 – 2021).

TECHNICAL SKILLS

Backend	Node.js, NestJS, Express.js, TypeScript, REST APIs, WebSockets, SSE, SQS, event-driven microservices, OAuth2/OIDC, JWT, RBAC, MedusaJS, Shopify
Frontend	React, Next.js (App Router, SSR/SSG), Electron, Tailwind CSS, shadcn/ui
Data	PostgreSQL (indexing, read replicas, pooling), MySQL, DynamoDB, Redis, Supabase, TypeORM, Prisma
Cloud and DevOps	AWS (Lambda, API Gateway, SQS, RDS and RDS Proxy, S3, IoT Core, Cognito, CloudFormation), Google Cloud (Artifact Registry, WIF), Vercel, DigitalOcean, Docker Compose, GitHub Actions, Git Flow, Nginx, Linux

EDUCATION AND TEACHING

B.Sc. CSIT, Tribhuvan University (Vedas College), 75.60%, First Division

2018 – 2022

Part-time Lecturer, Vedas College — IT applications, intro to IT and computer security for CSIT and BBM students

2024 – Present