

Anish Paudel

Software Engineer

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[portfolio website](#)

TECHNICAL SKILLS

Languages: Javascript/Typescript, Java, Python

Frameworks and tools: NodeJS, NestJS, Fastify, React/NextJS, PostgreSQL, MongoDB, Docker, Linux, Monorepo, Data Structures and Algorithms

EXPERIENCE

Software Engineer

April. 2026 - Present

Contract

Remote

- Led the design and development of a modular EPR/LIMS platform using Fastify and PostgreSQL, shaping it into a reusable, plugin-based architecture with clear separation of concerns.
- Designed clinical data models aligned with FHIR R4 concepts and SNOMED CT terminology to support future interoperability with healthcare systems.
- Implemented immutable, append-only clinical records with comprehensive audit trails and historical versioning, ensuring data integrity, traceability, and accountability across the clinical record lifecycle.

Freelancer Software Engineer

Jan. 2024 - Present

Remote

Remote

- Built an inventory management system for a warehouse using Node.js, PostgreSQL, and ReactJS, enabling end-to-end product tracking, billing workflows, and inventory reporting.
- Implemented rack-level inventory mapping and stock monitoring features to optimize warehouse operations, track storage capacity, and prevent inventory overflow.
- Built and automated lead tracking workflows using Node.js, Redis, and GoHighLevel (GHL), enabling WhatsApp session tracking and accurate campaign attribution.
- Developed responsive web applications using ReactJS, PHP, and JavaScript, including implementing dynamic testimonial sliders and enhancing confirmation pages to improve engagement and post-conversion experience.

Associate Software Engineer

May. 2025 - July. 2025

Viveka Health

Kathmandu, Nepal

- Enhanced Elasticsearch indexing by creating a zero-downtime reindexing route that updates aliases seamlessly, reducing indexing downtime to 0% and ensuring 100% data consistency across 2M+ documents.
- Developed a fault-tolerant AWS S3 upload pipeline, implementing cross-platform file validation and safeguards that prevented cascading production failures across microservices.
- Initiated and developed production workflow documentation for AWS infrastructure, secure SSH access, and troubleshooting procedures, improving team efficiency and facilitating smoother knowledge transfer.
- Built a secure token-based auto-login in Next.js, enabling seamless access for users coming from an external platform.

Associate Software Engineer

Sept. 2023 - Mar. 2025

LogicaBeans

Kathmandu, Nepal

- Owned end-to-end design of a multi-tenant, event-driven email ingestion service (Node.js) with real-time IMAP processing and webhook fan-out, automating ticket generation and downstream workflows for support teams.
- Developed a streamlined data export solution, enabling clients to efficiently extract and analyze large datasets while reducing server load and processing time by 40%.
- Optimized and refactored shared React components in a Turborepo monorepo, improving modularity, reusability, and performance across multiple frontend modules and reducing redundant code.

Full Stack Developer Intern

Aug. 2023 - Sep. 2023

Genci Edu

India

- Developed and maintained React-based frontend features and backend APIs using Node.js and Express.js for a learning platform, collaborating across teams to deliver reliable solutions and resolve technical challenges.

IoT Intern

Mar 2023 - May 2023

Emertæ Information Technologies

Bangalore, India

- Developed a Smart Home Automation system using Arduino UNO, PICSimLab, and Blynk IoT, strengthening skills in embedded systems, hardware simulation, and IoT integration.

PROJECTS

Email Service System | *Node.js, Docker, MongoDB, MinIO*

visit

- Multi-tenant, real-time email processing service, enabling reliable message management for multiple clients.
- Integrated webhooks to automate workflows across external applications, reducing manual handling and delivering a scalable SaaS solution.

Real-Time Websocket Video Call | *Node.js, WebSockets, React*

visit

- A lightweight experimental multi-user real-time video streaming application using WebSockets and MSE, with a server that relays media chunks to connected clients.

EDUCATION

CMR Institute of Technology

Bangalore, India

Bachelor of Engineering - Computer Science Engineering

CERTIFICATIONS

GENERAL COMPUTER ENGINEER - Nepal Engineering Council 2024

GOOGLE CYBERSECURITY CERTIFICATE - Google, Coursera

INTRODUCTION TO COMPUTER SCIENCE - CS50X

INTRODUCTION TO GIT AND GITHUB — Google, Coursera