

GYANENDRA YADAV

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 Portfolio |  LinkedIn |  GitHub

Professional Summary

Full Stack Developer specializing in building scalable web and cloud applications using the **MERN stack**, **TypeScript**, and **AWS**. Skilled in automating infrastructure with Terraform and deploying production-ready systems on EC2 and Docker. Passionate about clean architecture, DevOps pipelines, and solving real-world problems through code. Proven ability to take products from concept to live deployment with measurable performance impact.

Technical Skills

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Material UI, Redux, React Query, Zustand

Backend: Node.js (Express.js, REST APIs, Middleware, JWT Auth), Java (Spring Boot, Hibernate, Microservices)

Databases: MongoDB, PostgreSQL, MySQL

DevOps & Tools: Git, GitHub, CI/CD, Vercel, Docker, AWS (EC2, S3), NGINX

Core Concepts: DSA, OOP, System Design, Microservice & Monolithic Architectures

Professional Experience

Software Engineer — STARTUPWAY24 IT SERVICES PVT. LTD. | Delhi | Jan 2023 – Present

SaaS and cloud automation startup developing systems for digital identity and virtualization.

- Developed **Comprig**, a cloud virtualization platform automating 100% of VM lifecycle (create/start/stop) via Terraform + AWS, reducing provisioning time by **61%** and designed to scale for **10,000+ users**.
- Built a **browser-based VM access system** using Apache Guacamole (Windows GUI) and Wetty (Ubuntu CLI) integrated into Node.js APIs.
- Engineered a **live Aadhaar Update Management System** with admin, retailer, and backoffice roles; integrated Mantra Fingerprint SDK and tokenized form processing, improving workflow speed by **65%**.
- Optimized backend services on **AWS EC2, S3, and NGINX**, achieving **99.8% uptime** and **60% faster API response**.

- Automated **billing**, **JWT authentication**, and multi-role access control for internal and client-facing systems.
 - Enhanced **DevOps pipelines**, cutting manual setup time by **95%** and increasing deployment reliability.
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Key Projects

Comprig — Cloud Virtualization Platform

- Automated infrastructure lifecycle with Terraform + Node.js backend (create/start/stop/destroy).
- Integrated browser-based VM access using Apache Guacamole and Wetty.
- Designed scalable architecture for AWS/GCP/Azure supporting 10K+ concurrent users.
- Developed smart billing engine (real-time usage-based cost tracking).
- Built React + Tailwind dashboard with live instance metrics and access links.

 comprig.com

Digital Work — Aadhaar Update Management System

- Built a three-level secure login system (Admin, Retailer, Backoffice) with dashboards.
- Integrated biometric scanning (Mantra SDK) and real-time token-based workflow.
- Deployed on AWS EC2 with MongoDB Atlas, S3 storage, and NGINX reverse proxy.

 digitalwork.net.in

Greencart — E-commerce Platform

- Built an admin dashboard with real-time analytics, user metrics, and stock tracking.
- Implemented JWT-based authentication with role-based access.
- Improved front-end performance by **25%** with React Query + Context API.
- Designed a modern UI using Tailwind CSS + Framer Motion for better engagement.

 greencart-frontend-pearl.vercel.app

Achievements & Highlights

- Designed and deployed production-grade SaaS platforms before graduation.
 - Reduced cloud provisioning and deployment time by 60%+ through automation.
 - Contributed to open-source projects and built reusable Node.js microservices.
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Education

Bachelor of Computer Applications (BCA) — Indira Gandhi National Open University (IGNOU), New Delhi
Expected Graduation: June 2025

Soft Skills

Problem Solving | System Thinking | Project Ownership | Clean Architecture | Time Management