

ASHISH KUMAR

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SUMMARY

Software Engineer with a backend focus, experienced in building REST APIs, designing SQL data models, and deploying applications on cloud platforms. Skilled in Node.js and Next.js, and motivated to keep learning while contributing to reliable, scalable backend systems.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL, Python
Frontend: React, NextJS, Tailwind, ShadCN
Backend: Node.js, Express.js, FastAPI
Cloud/Devops: AWS, Docker, K8s, Grafana, Terraform
Databases: MongoDB, Postgres, MySQL, Redis
Concepts: OOP, REST APIs, MVC Architecture, Pub/Sub, Webhooks

EXPERIENCE

Hortiprise (Agro-Tech Startup)

May 25 - Present

Software Engineer Intern

Remote

- Built 25+ REST APIs using Next.js, TypeScript and Python, enabling clean and scalable CRUD operations.
- Designed optimized MySQL/Prisma schemas, improving query performance by **30%**.
- Managed GCP staging deployments, migrations, and configurations with a **99%** success rate.
- Integrated Razorpay subscription billing, fully automating payment workflows and webhook handling.
- Implemented Grafana, Prometheus, and Loki monitoring, reducing debugging time by **40%**.

PROJECTS

WebLift | [Node.js](#), [Postgres](#), [AWS EC2](#), [AWS SSM](#), [Redis](#), [Cloudflare](#), [NGINX](#)

Jan 25 - Mar 25

- Developed a platform to deploy and host web applications with support for multiple frameworks (Node.js, React, Next.js, etc.), featuring automatic provisioning of isolated AWS EC2 environments per project, standardized port allocation, and dynamic NGINX configuration for traffic routing via custom subdomains.
- Enabled real-time log streaming from backend to frontend using Redis Pub/Sub and Socket.io, allowing users to monitor build and deployment logs through an interactive UI.

DesiRacingCo | [Node.js](#), [MongoDB](#), [JavaScript](#), [Tailwind](#), [AWS](#)

Sep 23 - Mar 24

- Built a motorsport media platform tailored for Indian audiences, featuring article publishing, news aggregation, and user-submitted content; achieved **600+** weekly unique visitors.
- Implemented a robust contribution and editorial review system where submitted articles undergo moderation and validation by admins to ensure factual accuracy and high-quality content.

QuickKart (E-Commerce App) | [Node.js](#), [MongoDB](#), [Stripe](#), [Docker](#), [Azure VM](#), [Azure Functions](#)

Jun 24

- Created a full-fledged e-commerce application with seamless product browsing, cart management, and secure real-time payments via Stripe webhooks, all within a responsive UI built using Tailwind CSS.
- Deployed the platform using Docker on an Azure VM and implemented Azure Functions to automate transactional email delivery, ensuring high availability and smooth user communication.

EDUCATION

Vellore Institute of Technology, Bhopal

2021 – 2025

B.Tech in Computer Science and Engineering

Bhopal, India

RVM School

2021

Higher Secondary School

Indore, India

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate (SAA-C03)
- AWS Certified Cloud Practitioner (CLF-C02)