

Raghvendra Singh

8476895899 | singhraghvendra405@gmail.com | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

PROFILE SUMMARY

Full-stack developer and DevOps engineer with hands-on experience building and deploying cloud-native applications on AWS. Proficient in designing async distributed systems, containerizing applications with Docker and Kubernetes, and building responsive frontends with React and Next.js. Comfortable owning the full lifecycle — from writing the first line of code to shipping it live on a Kubernetes cluster.

EDUCATION

Raja Balwant Singh Management Technical Campus

Masters of Computer Applications (Integrated)

Agra

2018 – 2023

SKILLS

Frontend:	React, Next.js, TypeScript, Tailwind CSS
Backend:	Node.js, Express, Python, REST APIs, PostgreSQL, MongoDB
Cloud:	AWS (EC2, S3, SQS, ECR, EKS, RDS, Lambda, IAM, VPC)
DevOps:	Docker, Kubernetes, Helm, Terraform, GitHub Actions
Observability:	Grafana, Prometheus, Loki, OpenTelemetry, CloudWatch
OS & Scripting:	Linux, Bash / Shell Scripting

PROJECTS

Launchkube — *Next.js, Docker, Kubernetes, Helm, AWS EKS, ECR, SQS, EC2, IAM* [GitHub](#) | [Demo](#) | [YouTube](#)

- Paste a GitHub URL and the app gets deployed live on Kubernetes — EC2 worker picks the job from SQS, clones the repo, builds and pushes Docker image to ECR
- Used Helm to deploy each app into its own K8s namespace so deployments don't interfere with each other, zero static credentials via IAM Roles
- Streamed live build logs to the browser and set up Kubernetes Ingress so every deployed app gets its own custom domain
- Built a Next.js frontend with JWT authentication, deployment status tracking and a terminal-style live log viewer

Car Marketplace CMS — *Next.js, tRPC, Inngest, Prisma, S3, EKS, Terraform, Prometheus, Grafana, Loki, ArgoCD* [GitHub](#) | [Demo](#) | [Infra](#) | [Manifests](#)

- Built a dual-console car marketplace with AI image scraping using Gemini Vision to auto-fill vehicle details from photos uploaded to AWS S3
- Provisioned full AWS infra with Terraform — VPC, subnets, NAT Gateway, EKS cluster with node groups, Nginx Ingress, Cert-Manager, Cluster Autoscaler and HPA
- Set up GitOps with ArgoCD so every git push auto-deploys to EKS — no manual kubectl commands
- Instrumented tRPC with Prometheus tracking P95/P99 latency in Grafana, shipped pod logs to Loki with S3 backend for unified observability

AI Calendar Assistant — *Next.js, LangChain, Gemini, Pinecone, BullMQ, Redis, Prisma, PostgreSQL* [GitHub](#) | [Demo](#)

- Calendar you can talk to — Gemini function calling creates and queries events from natural language with RAG using LangChain and Pinecone for semantic search
- Reminder system on BullMQ and Redis schedules and fires email notifications at the right time via Resend
- Streamed AI responses token by token using Vercel AI SDK so the UI feels instant
- Deployed on EC2 with PM2 for process management, Nginx as reverse proxy and Certbot for SSL — both the app and BullMQ reminder worker running on the same instance

CERTIFICATIONS & TRAINING

- 100xdevs Full Stack + Web3 Cohort — Harkirat Singh | Full stack development, Web3 and system design fundamentals
- Ethical Hacking Workshop — Raja Balwant Singh Management Technical Campus (2019) | Penetration testing and network security basics