Priyansukumar Valiya

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PROFESSIONAL SUMMARY

Computer Science undergraduate and **2x AWS Certified (Solutions Architect Associate & Cloud Practitioner)** with hands-on experience deploying **production-grade cloud-native systems**. Proven track record of cutting deployment times, engineering cost-optimized architectures and automating CI/CD workflows using Docker, Kubernetes and microservices.

TECHNICAL SKILLS

Cloud & DevOps: AWS, Kubernetes, Terraform, Docker, CI/CD, GitHub Actions, Nginx, Cloudflare, Linux

Languages & Core: JavaScript, TypeScript, Java, Python, Node.js, Data Structures & Algorithms

Web & Architecture: React.js, Next.js, Express.js, REST APIs, System Design, Microservices

Databases & Storage: PostgreSQL, MySQL, MongoDB, Redis, Supabase, Pinecone (Vector DB)

Tools & Platforms: Git, GitHub, DockerHub, Inngest, Prisma ORM

PROJECTS

CodeRat – AI-Powered Pull Request Reviewer & Project Analyzer | LINK

Next.js, Inngest, Prisma, PostgreSQL, AWS EC2, Terraform, Docker, Nginx, Pinecone, Gemini Flash, Cloudflare   Dec 2025

- Built an AI-driven code review system using AST-level parsing and RAG to process GitHub pull requests automatically, **cutting average manual review time by 60%**.
- Designed an event-driven backend with Inngest and Prisma to handle asynchronous webhook payloads during repository indexing, achieving **zero message loss** under concurrent load.
- Deployed a microservices architecture on AWS EC2 via Docker and Nginx, reduced AI inference latency by integrating Gemini Flash with Pinecone vector search for sub-second context retrieval.
- Managed cloud infrastructure as code using Terraform provisioned **2 EC2 instances** with private subnet connectivity and tightly scoped **security groups**, eliminating manual console configuration and ensuring reproducible environment setup.

Vercel Clone – Cloud-Native CI/CD Deployment Platform on AWS | LINK

AWS EC2, Amazon S3, Docker, Node.js, Express.js, Next.js, GitHub Webhooks, Resend   Jun 2025 – Jul 2025

- Engineered a self-hosted CI/CD platform with one click GitHub deployment pipelines, **drastically reducing project setup time** and eliminating repetitive manual configuration steps.
- Provisioned EC2 and S3 infrastructure to handle concurrent build workloads, eliminating manual configuration and enabling horizontal scaling.
- Integrated GitHub Webhooks to trigger automated email notifications on deployment status via Resend, improving developer visibility and reducing context-switching during release cycles.

EXPERIENCE

Lesson Planning Portal – College Project   April 2025 – July 2025

Project Lead & Full-Stack Developer   *Node.js, React.js, MySQL, RBAC*

- Led a **6 member team** to build a role-based Lesson Planning Portal serving **100+ faculty members**, automating semester-wise unit and CIE planning end-to-end.
- Architected role-specific dashboards with full CRUD across **5 user roles**, **reducing manual planning effort by 40%**.
- Reviewed **30+ pull requests** and coordinated internal deployments, maintaining stable, low-downtime production releases throughout the project lifecycle.

OceanLab Technology   May 2025 – June 2025

Remote Software Engineering Intern   *React.js, Next.js, Socket.IO*

- Built a real-time stock price tracking module using Socket.IO, achieving **near-instant UI refresh rates** with live data rendering in React.js.
- Developed a responsive Income-Expense Tracker supporting **multiple spending categories** with persistent Google Sheets storage and real-time financial summaries.

CERTIFICATIONS & ACHIEVEMENTS

AWS Certified Solutions Architect – Associate (SAA-C03)   February 2026

AWS Certified Cloud Practitioner (CLF-C02)   January 2026

Active open-source contributor: Hacktoberfest & GirlScript Summer of Code (GSSoC)   November 2024

EDUCATION

Charotar University of Science and Technology (CHARUSAT), Anand   July 2023 – May 2027

B.Tech (CSE), Devang Patel Institute of Advanced Technology and Research   *CGPA: 8.87 / 10.00*