SHIVDUTT BHADAKWAD

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SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, Python, C++
Libraries & Frameworks: ReactJS, NodeJS, ExpressJS, TailwindCSS, Recoil, Redux, Socket.IO
Databases: MongoDB(Mongoose), SQL, Postgres, Prisma
DevOps: AWS **(**EC2, RDS, DynamoDB, S3, Lambda, ELB, ECS, Route 53, CloudFront**),** Jenkins, Ansible, Docker, Kubernetes, Kafka, Redis, Nginx
Tools: Postman, Git, Github

EDUCATION

Marathwada Mitra Mandal's Institute of Technology, Lohegaon — **Pune, India**
BE Computer Engineering — *2023–2027*
CGPA: 7.2

Kendriya Vidyalaya NO.1 Ahmednagar — **Ahmednagar, Maharashtra, India**
12th Science (PCM) — *2020-2022*

PROJECTS

Gorr | ReactJS, NodeJS, ExpressJS, TailwindCSS, Postgres, Prisma, S3, ECS, ECR, Docker, Redis, SocketIO **Live | Code | Video**
*GORR is a sophisticated **deployment platform** built using a microservices architecture, designed to handle a project Deployments with real-time monitoring and efficient resource management.*

- Built a deployment platform with 5 microservices for API, builds, monitoring, and custom domain routing.
- Leveraged AWS ECS, ECR, and S3 for containerized builds and web application hosting.
- Implemented real-time monitoring via Socket.IO and Redis pub/sub with 100% build visibility.
- Containerized build microservice for parallel execution, reducing main server load.
- Created an intelligent proxy system handling complex routing patterns for various frameworks.
- Enable deployment and redeployment with environmental variables by securely transferring env variables.

Heimdall | ReactJS, NodeJS, ExpressJS, TailwindCSS, Postgres, Prisma, EC2, Docker, Redis, Nodemailer **Live | Code | Video**
*Heimdall is a **ping and uptime monitoring platform** that prevents cold starts on free backend hosting services (like Render, Railway, Fly.io) and tracks detailed performance metrics via a developer dashboard.*

- Build a ping & monitoring platform with 6 microservices for API, job queue, workers, worker load balancer, and alert.
- Minimized 30–50s cold start delays by scheduling periodic pings to backend servers with customizable time.
- Stored detailed ping metrics: response time, HTTP status, uptime, and memory usage in the database.
- Developed an interactive dashboard to visualize uptime %, latency trends, server statistics, and ping history.
- Enabled automatic email alerts for servers with >X number of consecutive failures.
- Designed with horizontally scalable microservices utilizing BullMQ and Redis to manage high volumes of ping jobs with dynamic concurrency control.

CERTIFICATIONS & ACHIEVEMENTS

- Awarded the '0-100' certificate in the 100xDevs program, mentored by Harkirat Singh. **Certificate**