Meghaj MB

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Linkedin | Github | Website

Professional Summary

Full-Stack Developer with 1.5+ years of experience including internship and freelance projects , specializing in MERN stack, microservices, and scalable architecture. Skilled in building real-time features using WebSockets and WebRTC, and deploying applications using Docker, Kubernetes, and AWS.Strong problem skills focused on clean code, performance, and delivering production-ready solutions.

Technical Skills

- Frontend: React.js, Next.js, Redux,Three.js,React Three Fiber
- Backend: Node.js, Express.js, JavaScript, TypeScript
- Database: MongoDB, SQL, Firebase
- Version Control: Git, GitHub
- DevOps & Cloud: Docker, Kubernetes, AWS, Google Cloud
- Architecture & Design: Microservices, SOLID Principles,MVC

Experience

Full-Stack Developer   2024 – Present
Ziya Webappin Private Limited

- Developed and deployed custom web applications for clients using **Next.js, Node.js, and MongoDB**.
- Built and delivered **multiple client projects** using **React** and **Next.js**
- Designed scalable architectures, integrated third-party APIs, and optimized performance.
- Delivered responsive UIs with Tailwind CSS and ensured cross-device compatibility.
- Deployed and managed applications on **AWS EC2** and integrated **AWS S3** for file storage.

Projects

Academia – E-learning Platform with Real-Time Bidding   Github | Live
Stack: TypeScript, Node.js, Express, Next.js, MongoDB, Kafka, Redis, AWS (S3, ECS Fargate, CloudFront), Terraform, Kubernetes

- Built a scalable e-learning platform with **role-based access** (User/Instructor/Admin), course enrollment, and **real-time bidding** using virtual currency.
- Integrated **Razorpay** for payments, **Socket.IO** for real-time bidding/notifications, and **Kafka** for async event processing.
- Handled video uploads (**S3** + **CloudFront CDN**) and implemented dynamic **FFmpeg** transcoding using **ECS Fargate**, with Kafka orchestrating job queues and status updates.
- Cached frequently accessed data with **Redis** and secured auth via **JWT**.
- Implemented secure N:N video calling using **Mediasoup SFU** without any third-party services.

- Deployed on **GKE**, provisioned infra with **Terraform**, and followed **SOLID** principles + layered architecture using repository pattern.

Alchemy – E-commerce Platform for Alcohol Sales [Github](#)

Stack: Node.js, JavaScript, Express, EJS, CSS, Bootstrap, Socket.IO, Passport.js, AWS EC2, Nginx

- Architected an alcohol e-commerce platform with User/Admin roles, including product management, order processing, and real-time admin support (Socket.IO).
- Engineered secure authentication via **Google OAuth** (Passport.js) and OTP verification (Nodemailer) for sensitive actions.
- Designed responsive frontend with Bootstrap + CSS, following MVC architecture for scalability.
- Deployed on **AWS EC2** with **Nginx** reverse proxy, ensuring high availability in production.

Education

Bachelor of Technology (B.Tech), Computer Science and Engineering   2019 – 2023
University College of Engineering, Kariavattom

Full-Stack Developer-Bootcamp   2023 – 2024

- Built full-stack applications using the MERN stack.
- Collaborated on real-time and REST-based web apps following industry standards.
- Gained hands-on experience with Git, CI/CD practices, and responsive UI design.