

AJAY E R

MEAN STACK DEVELOPER

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Profile Summary

Self-taught MEAN Stack Developer skilled in crafting efficient web solutions. Proficient in designing and developing scalable applications. Strong foundation in leading-edge technologies, committed to delivering high-quality results. Eager collaborator in dynamic teams, driving success in web development projects.

Skills

- **Languages & Runtimes:** JavaScript, TypeScript, Node.js, Go, SQL, Java
- **Frameworks & Libraries:** Express, Nest.js, Angular, Socket.io, Passport.js, NgRx, RxJs
- **Databases & ORM:** MongoDB, PostgreSQL, Elasticsearch, OpenSearch, Redis, Mongoose, Drizzle, Prisma
- **Message Queues & Container / Orchestration:** Kafka, RabbitMQ, Redis, Docker, Kubernetes, Helm
- **Network Protocols / API:** HTTP, REST, WebSocket, gRPC, GraphQL
- **CI / CD & Version Control:** Unit Testing, Jest, GitHub Actions, Jenkins, Git, GitHub

Experience

YWORK | Freelance Project

Dec 2023 - Feb 2024

- Led the development of an innovative shopping application, seamlessly integrating multiple stores to enhance the user experience.
- Orchestrated sophisticated infrastructures, integrating Role-Based Access Control (**RBAC**) and **WebSocket** protocol, elevating data security and enabling real-time interactions for heightened user satisfaction and operational efficiency.
- Streamlined development processes using **Dockerized** environments and **CI/CD** pipelines, halving deployment time and boosting team efficiency by 35% in accordance with industry standards.

STAYHOPPER | Freelance Project

Nov 2023 - Dec 2023

- Spearheaded the seamless transition of the UAE project's payment gateway to **Mamo Pay**, ensuring uninterrupted services and achieving a 50% decrease in payment errors.
- Modernized an obsolete **Node.js** version and developed a separate payment logic application, enhancing system performance and ensuring stack stability, resulting in smooth payment processing across all platforms.
- Collaborated with a cross-functional team, including a DevOps engineer, to strategize, develop and deploy the application, significantly reducing time-to-market while enhancing overall efficiency.

LEETCODE TRACKER | In-house Tool

Oct 2023 - Nov 2023

- Developed a custom performance tracking tool for LeetCode analysis, driving a 15% increase in student retention and engagement.
- Orchestrated project lifecycle collaboration from planning to deployment, optimizing workflows and culminating in enhanced counselor handover efficiency.

Projects

ELEVATE | Startup Networking Platform

[Live](#) | [GitHub](#)

- Led the development of a pioneering **microservices**-based digital platform that transformed investor-founder interactions, streamlining startup idea sharing and enhancing investment capital flow.
- Directed the strategic deployment of cutting-edge technology enhancements, seamlessly integrating **Kafka** for optimized inter-service communication, **Elasticsearch** to elevate search functionalities, while **Socket.IO** enabled dynamic real-time messaging solutions.
- Achieved a 40% reduction in deployment time by revolutionizing the deployment process using **Kubernetes**, **Docker**, and **CI/CD** pipelines for a side project, enabling quicker time-to-market for new features and updates.

SPACE | Online Toy Store

[Live](#) | [GitHub](#)

- Orchestrated the complete end-to-end development lifecycle of a toy-selling ecommerce application, harnessing cutting-edge technologies and frameworks to craft robust front-end and back-end components.
- Incorporated secure payment gateways and enforced robust authentication and authorization protocols to safeguard user data, aligning with industry norms and compliance requirements.
- Utilized **Amazon EC2** instances to host **Dockerized** applications, ensuring seamless scalability to accommodate fluctuating user demand levels.

- Employed **NGINX** as a reverse proxy server for streamlined request routing to **Docker** containers, enhancing system efficiency and maintaining uninterrupted service availability.

Mini Projects

RAISE ALERT | Fundraising Alerting System

[GitHub](#)

- Architected a real-time fundraising alerting system leveraging **Razorpay webhook** integration and **Socket.IO** technology, providing real-time notifications for donation transactions.
- Designed and developed a scalable architecture to handle high volumes of webhook events efficiently, ensuring timely and accurate alerts for fundraising campaigns.

RAPID URL | URL Shortener

[GitHub](#)

- Developed and implemented a URL shortener project to streamline link sharing and tracking.
- Implemented analytics tools for monitoring and analyzing user engagement metrics, as well as evaluating link performance statistics.

SNAPUP | Dynamic Web App

[GitHub](#)

- Spearheaded the development of a dynamic web application leveraging the **Angular** framework, incorporating **JWT** authentication to ensure robust security measures for user authentication and authorization.
- Implemented seamless image storage and management utilizing **Cloudinary**, enhancing user experience with efficient image uploading and retrieval capabilities.
- Crafted intuitive admin and user interfaces featuring interactive tables alongside pagination functionality, facilitating improved data visualization and seamless navigation for administrators and end-users alike.

Education

MEAN Stack Development

Brototype, Ernakulam

Dec 2022 - Present

Higher Secondary (Biology Science)

GHSS Karimba, Palakkad

June 2016 - Apr 2018