Unais K

Portfolio | LinkedIn | GitHub | Docker hub

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FULL STACK DEVELOPER

Self-taught **MERN Full Stack** developer with Industrial experience. I have a solid grasp of **REST APIs, NoSQL databases, SQL database, Node.js, React.js, Microservices, Docker, Kubernetes**, and more. I have a strong technical foundation in software development and I'm enthusiastic about creating scalable and reliable applications.

TECHNICAL SKILLS

Languages	:	JavaScript, Typescript, HTML, CSS
Frameworks	:	Express
Server	:	Node.js
Libraries	:	React.js, Redux, React Router, Next.js
Cloud Platforms	:	Amazon Web Services(AWS) EC2, DigitalOcean
Databases	:	MongoDB, PostgreSQL, MYSQL, Prisma
Version Control	:	Git
API Development	:	RESTful API
API Testing	:	Postman
Architecture	:	MVC, Microservices and Monolithic
DevOps	:	GitHub Action, Docker, Kubernetes
Others	:	JWT, NATS

PROJECTS

Juco Berry E-commerce website   *Handlebars, CSS, Nodejs, Express.js, MongoDB, Git, Docker, CI-CD, AWS*   Source Code

- Implemented session and cookies for authentication, with **Twilio Authentication API for 2FA**.
- Integrated **Razorpay** for payment processing, supporting both online payments and COD.
- I implemented an **MVC architecture** to manage and scale the application effectively.
- The application was hosted on **AWS EC2 with nginx** for reliable and scalable deployment. Additionally, I **Dockerized** the application for easier portability and deployment.
- I also set up automated deployment processes using GitHub Actions for Continuous Integration and Continuous Deployment **(CI/CD)**.

Online Ticketing Platform - (on-progress)*Typescript, Microservice, NATS, Docker, Kubernetes, Redis, CI-CD, Jest*Source Code

- Deployed and managed the microservices using **Kubernetes**, enhancing scalability and fault tolerance, and employed **ingress-nginx** for load balancing and routing
- Crafted and shared **npm package** (@unaiztickets/common) to centralize common code and improve maintainability across services.
- Employed **Jest** for extensive **automated testing** and integrated tests into the **CI pipeline** ensuring high code quality and facilitating test-driven development practices.
- Utilized **Typescript** for strict typing, contributing to robust and maintainable code
- Containerized services with **Docker**, ensuring consistent environment and easy scalability across development, testing and production.
- Incorporated **custom error handling** mechanism to enhance user experience by gracefully managing and reporting exceptions.
- Consolidated key functionalities into specialized services : **Auth** for secure **JWT**-based authentication, **Payments** for **Stripe**-integrated transaction processing, **Client** for interactive **Next.js** front-end, **Orders** and **Tickets** for managing the lifecycle of purchases, and **Expiration** for timing operations with **Redis**

EXPERIENCE

NodeJs Developer   Feb 2024 – Present
Sysarks Technology Solutions Pvt Ltd   *Bangalore, Karnataka, India*

- Successfully delivered projects within specified deadlines, ensuring client satisfaction and project success.
- I contributed to the development of a cross-platform doctor appointment booking application as part of the **Mannaheal project**.
- Fostered effective communication and collaboration with frontend developers, facilitating seamless integration between frontend and backend components.
- Proficient in utilizing cutting-edge technologies, with expertise in **Node.js**, **Express.js**, **MongoDB**, **MYSQL** and **JWT** for authentication.
- Successfully managed simultaneous connections to **multiple MySQL databases** within a single application, ensuring seamless data synchronization and maintaining robust data integrity protocols across all databases.

MERN Full Stack Developer - Self Learn   Jan 2023 – Dec 2023
Brototype   *Kochi, Kerala, India*

- * I designed and deplployed a high-performance E-commerce website that is interactive and adaptable, using **Handlebars, CSS, JavaScript**. I utilized advanced technologies such as **Node.js, Express.js, Mongoose, and MongoDB** for this e-commerce project. It was organized following a **Model-View-Controller (MVC)** approach, which ensures easy management and scalability.
- * Worked with **REST APIs** to retrieve and display data from databases
- * I have experience working with **Docker** and setting up automated deployment processes using GitHub Actions for **Continuous Integration and Continuous Deployment (CI/CD)**.
- * Fortified transaction security by integrating **Twilio's 2FA** and **Razorpay** for payment processing, enhancing the website's trustworthiness.
- * Architected a **Online Ticketing platform** using microservices design, ensuring high availabilty and robust performance with **Docker**,**Kubernetes** and **NATS** streaming
- * Centralized shared logic by creating a **npm package** (@unaiztickets/common), which improved the code mainatainability across microservices.

EDUCATION

Bachelor of Commerce (B-com)   Kannur, Kerala, India
Sir Syed Institure for Technical Studies, Kannur University   *Jun 2016 – Jun 2019*