

# Unais K

[Portfolio](#) | [LinkedIn](#) | [GitHub](#) | [Docker hub](#)

Location: Kochi, Kerala, India

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## FULL STACK DEVELOPER

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Self-taught **MERN Full Stack** developer with Industrial experience. I have a solid grasp of **REST APIs, NoSQL databases, 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

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

## PROJECTS

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**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

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### Back End Developer

Harish Software Solutions

Jan 2024 – Present

Bangalore Urban, Karnataka, India

- Successfully delivered projects within specified deadlines, ensuring client satisfaction and project success.
- Played a key role in creating cohesive and functional applications by closely collaborating with cross-functional teams.
- 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**, and **JWT** for authentication.
- Prioritized and met project deadlines consistently, demonstrating a commitment to delivering high-quality backend solutions within agreed-upon timelines.

### MERN Full Stack Developer - Self Learn

Prototype

Jan 2023 – Dec 2023

Kochi, Kerala, India

- \* I designed and deployed 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 availability and robust performance with **Docker**, **Kubernetes** and **NATS** streaming
- \* Centralized shared logic by creating a **npm package** (@unaiztickets/common), which improved the code maintainability across microservices.

## EDUCATION

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### Bachelor of Commerce (B-com)

Sir Syed Institute for Technical Studies, Kannur University

Kannur, Kerala, India

Jun 2016 – Jun 2019