NAVAS C K

MERN Stack Developer

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PROFESSIONAL SUMMARY

- Passionate full-stack web developer with more than 1.5 years of experience specializing in the MERN stack. Specialized in MongoDB, Express, React, Node, JavaScript, Next JS and TypeScript.
- Skilled in building microservices-based architectures using Docker, Kubernetes, and Kafka.
- Driven by genuine curiosity and a deep interest in technology, I bring a creative mindset, strong research, problem solving, and collaboration skills. Committed to continuous learning and improvement.

TECHNICAL SKILLS

- **LANGUAGES AND DATABASES:** JavaScript, TypeScript, Mongo DB, PostgreSQL, HTML, CSS
- **FRAMEWORKS, LIBRARIES & TOOLS:** Node JS, React JS, Next JS, Redux Toolkit, Zustand, Socket IO, Prisma ORM, Tailwind CSS, Material UI (MUI), Chakra UI, Radix UI
- **INFRASTRUCTURE AND PLATFORMS:** Docker, Kubernetes, Kafka, Git, Github, Vercel, AWS, Render, Vitest, RESTful API
- **CONCEPTS:** Microservices, Event-Driven Architecture, MVC Architecture, SOLID Principles
- **OTHER SKILLS:** Figma, Video Editing, Davinci Resolve, Problem Solving, Communication, Salesmanship

PROJECTS

E-Commerce app - A Comprehensive Microservices Project | Demo Video | GitHub

Docker, Kubernetes, Apache Kafka, NGINX Ingress, JWT Authentication, RESTful APIs, Event-Driven Architecture,Node.js, Express.js, MongoDB

- Developed a scalable microservices-based e-commerce platform with independent, containerized services for user management, products, order processing, and payment handling.
- Developed strong practical knowledge of Docker and Kubernetes, including pod networking and traffic routing via Ingress and ClusterIP/NodePort services.
- Integrated Apache Kafka for asynchronous event-driven communication between microservices.
- Configured Nginx Ingress Controller to route external traffic to appropriate microservices.
- Created an npm package to centralize reusable logic and promote consistency across microservices.
- Built an advanced error handling system in Express.js using a reusable class and middleware for consistent API error responses.
- Built a high-performance frontend using Material UI, Redux Toolkit, React Query, React Hook Form, and other modern libraries.

Issue Tracker Platform with Integrated Chat Rooms | Demo Video | GitHub

Next.js, App Router, Next Auth, Socket.IO, Tailwind CSS, Radix UI, Prisma ORM, PostgreSQL, TypeScript, React Hook Form, Zod, Axios, React Query

- Developed a responsive UI using Tailwind CSS and Radix UI.
- Built a real-time chatroom using Socket.IO with on-demand socket initialization to optimize performance and prevent unnecessary connection.
- Implemented status-based filtering and sorting functionality in the issue table.
- Built full-stack functionality using Next.js App Router, server and client components, with solid understanding of SSR, CSR, and hydration.
- Used React Hook Form with Zod for robust form validation.
- Integrated NextAuth with Google, GitHub, and credentials on a custom login page.
- Used Prisma ORM with PostgreSQL
- Deployed on Render, enabling continuous deployment for seamless updates.

GameHub – A Dynamic Game Discovery Platform Clone | Demo Video | GitHub

React, TypeScript, Chakra UI, Vite, Axios, Zustand, React Query, React Router

- Developed a responsive UI using Chakra UI.
- Integrated genre and platform-based filtering, search, and multi-criteria sorting.
- Leveraged React Router for page navigation and React Query for data fetching with cache management.
- Applied advanced state management using Zustand and React Context.
- Gained a strong understanding of reusable components, custom hooks, and lifting state up to share data effectively across components.
- Implemented infinite scrolling, pagination skeleton loaders, and dynamic rendering.

E-commerce Website for Men's Clothing | **Demo Video** | **GitHub**

Full-featured E-commerce application using Node JS, Express JS MongoDB, Mongoose and EJS

- Developed login system with OTP email/mobile verification (SMTP + Twilio), and Google Single Sign-On (SSO) using Passport JS.
- Built an admin dashboard to manage users and products—features include block/unblock, delete, and edit.
- Integrated RazorPay for payment service.
- Image upload and cropping with Multer and Cropper.js and SweetAlert notifications.
- Successfully deployed on AWS EC2.

MINI PROJECTS

Built several hands-on mini projects to reinforce core concepts in JavaScript, TypeScript, React, Node.js, SQL, NoSQL, and modern web development best practices.
- Form using React Hook Form, Zod, Material UI (MUI) (Demo Video | GitHub)
- User and Admin Management System using JavaScript, NodeJS, ExpressJS (Demo Video | GitHub)
- TodoList using JavaScript, TypeScript, Vite (Live link | GitHub)
- Typing Animation using JavaScript, TypeScript, Vite (Live link | GitHub)
- Responsive MoneyLover Website Clone using JavaScript, Bootstrap, HTML, CSS (Live link | GitHub)

PROFESSIONAL EXPERIENCE

E-Commerce Store Assistant   **2022 - 2023**
Amazon, Noon | Oskar General Trading LLC - UAE

SmartPhone, Computer and Accessories Salesman   **2015 - 2022**
Saudi Arabia, Oman, UAE

Mobile Phone Hardware and Software Technician   **2012 - 2015**
Delhi, Panjab, Assam, Rajasthan, Kerala

EDUCATION

Mern Full Stack Web Development   **2024 - Present**
Online

Smartphone Technology and Basic electronics   **2012**
Britco Institute of Technology, Kottakkal, Kerala

Higher Secondary (Computer Science   **2010 - 2012**
Govt Higher Secondary School, Thrikkadeeri, Kerala

OTHER DETAILS

- **LANGUAGES KNOWN:** English, Hindi, Arabic, Tamil, Malayalam
- **INTERESTS:** Smart Gadgets, Technology, IoT Things, Video Editing