Aswanth Alakkadan

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linkedin.com/in/aswanthalakkadan | github.com/aswanth6000 | Personal Website

SKILLS

Backend Development:
- Node.js
- Express.js (ExpressJS)
- Next.js (Framework)
- Typescript
- MongoDB (NoSQL)
- Microservices
- MVC Architecture
- Data Structures
- Server-side Development
- PostgreSQL (SQL)
- Amazon Web Services (AWS)
- MySQL
- AJAX
- JWT (JSON Web Tokens)
- NGINX
- Firebase (Authentication)
- Firestore (NoSQL database)
- RabbitMQ
- WebRTC
- Redis
- NPM

Frontend Development:
- React.js (ReactJS)
- HTML5
- Redux
- Socket.io
- SCSS
- Tailwind CSS
- CSS3
- Figma

DevOps and Deployment:
- Docker
- Kubernetes
- Firebase Hosting
- NGINX
- AWS (Amazon Web Services)
- CI/CD (Continuous Integration/Continuous Deployment)
- GitHub Actions (Version Control System)

ABOUT

Highly Skilled **MERN / Full Stack NodeJS Developer** experience in crafting dynamic **front-end** interfaces and robust **back-end** solutions. I honored my skills in building RESTful API's cloud deployment (AWS) and staying current with industry trends for innovative web development

WORK EXPERIENCE

Frontend developer Intern   Aug 2022 – Nov 2022

Business Cradle Technologies | Remote

- Contributed to the development of responsive and user-friendly web interfaces for clients' websites.
- Collaborated with cross-functional production teams and team members in an agile environment, including designers and back-end developers, to implement website features and ensure a seamless user experience.
- Managed and tracked code changes using version control systems, ensuring a streamlined development process and codebase integrity.
- Utilized **HTML**, **CSS**, and **JavaScript (ES6)** Programming Languages to create visually appealing and interactive web elements.

PROJECTS

Skill Vibe-Freelancing platform   **View in GitHub**

- Development edge web application platform that empowers freelancers to showcase and monetize their skills effectively.
- Implemented a scalable Microservices architecture with **RabbitMQ** for **seamless communication**, enhancing **scalability**, **modularity**, and **maintainability**. Containerized the application using **Docker Compose** and orchestrated deployments with **Kubernetes**. Introduced automated testing through **Jest** and established a robust **CI/CD** pipeline with **GitHub Actions and** deployed using **Digital Ocean.**
- Incorporated **Socket.io** for real-time chat features and integrated **Zego Cloud** for efficient virtual meetings using **WebSocket**, enhancing collaboration and user experience.
- Engineered the frontend using **Next.js**, adopting a **mobile-first approach** for an optimal user experience. Employed **Tailwind CSS and Ant design** for streamlined styling and responsiveness.

Canvas-Craft - view live   **View in GitHub**

- Canvas craft is a is collaborative whiteboarding platform.
- Created backend and **real-time database** using **convex**, design using **TailwindCSS**, authentication using **clerk** and **real-time collaboration** using **live blocks** and deployed using **vercel**

Database and Storage:
- MongoDB (NoSQL)
- PostgreSQL (SQL)
- Firestore (NoSQL database)
- Redis
- Cloudinary

Communication/Messaging:
- Socket.io
- RabbitMQ
- NATS

Payment Gateways:
- Razor Pay
- PayPal
- Stripe

Communication/Notifications:
- Twilio
- Node mailer
- Firebase verifications

Testing:
- Automated testing using Jest

APIs and Tools:
- GraphQL
- Postman
- Git

Design and UI/UX:
- Figma
- SCSS
- Tailwind CSS

Gadget Ease – [live link](live%20link)   **[View in GitHub]**

- Developed a feature-rich ecommerce platform for purchasing mobile phones with customizable options. Implemented key features such as **product ordering**, **returns**, Data flow, Web server wallet functionality, real-time chat support, and ticket raising for user assistance.
- Gained expertise in **Express.js**, **Node.js**, **Debugging, Data flow** and **MongoDB Database** for web development (web application development).
- Published the project on **AWS(EC2), PM2** and acquired a domain from **Hostinger**.
- Improved efficiency skills in **real-time communication, server-side logic, asynchronous programming, e-commerce functionality** and **other technical skills**.

MINI-PROJECTS

Leet Code tracker   **View in GitHub**

- Developed a Leet code performance tracker using **Next JS**, **Tailwind CSS** as front end, used **ts particles** for animated effects, followed **clean architecture, MongoDB** and **express js** for backend, used **JWT tokens** for authentication used **cheerio** for web scraping

Get fit Fitness app – [live link](live%20link)   **View in GitHub**

- Developed a fitness app using **React JS** and API using **rapid API** styled using **material UI**
- This app allows users to browse through various exercises, sorting and filtering them based on different body parts. Additionally, YouTube demos related to each body part are also available.

CERTIFICATIONS

React: Ecosystems by Emmanuel Henri   View credentials

React: Accessibility by Kiara Contreras   View credentials

EDUCATION

Bachelor of Computer Application (BCA)   July 2020 - May 2023
Kannur university, Kerala (India)

Brototype   May 2023 - Present
Kochi, Kerala (India)

DECLARATION

I hereby declare that all the information furnished above are true and correct to the best of my knowledge

-Aswanth Alakkadan