

Aswanth Alakkadan

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SKILLS

Backend Development:

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

Frontend Development:

- React.js
- 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)

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 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** to create visually appealing and interactive web elements.

PROJECTS

Skill Vibe-Freelancing platform [View in GitHub](#)

- I spearheaded the development of a cutting-edge platform that empowers freelancers to showcase and monetize their skills effectively. Leveraging Microservices architecture, I ensured high scalability and efficiency in service delivery.
- Implemented a scalable Microservices architecture with **RabbitMQ** for **seamless communication**, enhancing **scalability**, **modularity**, and **maintainability**. Containerized the application using **Docker** and orchestrated deployments with **Kubernetes**, optimizing resource management. Introduced automated testing through **Jest** and established a robust **CI/CD** pipeline with **GitHub Actions**, ensuring code quality and efficient deployment processes. This comprehensive approach streamlined the development workflow, maintained responsiveness, and optimized the overall software development lifecycle.
- Incorporated **Socket.io** for real-time chat features and integrated **Zego Cloud** for efficient virtual meetings using **WebSocket**, enhancing collaboration and user experience.

- GitHub Actions

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

- Engineered the frontend using **Next.js**, adopting a **mobile-first approach** for an optimal user experience. Employed **Tailwind CSS** for streamlined styling and responsiveness.

Gadget Ease

[View in GitHub](#)

- Developed a feature-rich ecommerce platform for purchasing mobile phones with customizable options. Implemented key features such as product ordering, returns, Payment Security wallet functionality, real-time chat support, and ticket raising for user assistance.
- Gained expertise in **Express.js**, **Node.js**, and **MongoDB Database** for web development.
- Published the project on **AWS** 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 API

[View in GitHub](#)

- I developed an **API** for Leet Code. This innovative solution allows individuals to seamlessly monitor and analyze their progress across multiple users, providing valuable insights into their problem-solving journey on Leet Code.

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