Ashish B Thoppil

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Frontend-heavy Fullstack Engineer with 4.11 years of experience building scalable, accessible and high-performance web applications. Proficient in React, Next.js, TypeScript, Node.js, and modern tooling. Experienced in developing production-ready solutions across SaaS, E-Commerce, EdTech and AI-driven platforms. Strong focus on performance optimization, CI/CD, testing (Jest), and user-centric design. Proven track record of shipping products used by real users from enterprise-grade systems to AI-integrated apps.

SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, HTML5, CSS3, Sass, Tailwind, Bootstrap, Material UI, Storybook

Backend: Node.js, Express.js, Python, REST API, MongoDB, MySQL, JWT Auth

Devops & Tools: Docker, Azure DevOps, AWS, Git & Github, CI/CD pipelines, Webpack, Vite, Babel

Testing & QA: Jest, Unit Testing, Performance Profiling, Lighthouse

Others: Agile Methodologies, Open Project, Jira

EXPERIENCE

Analyst - Frontend Dev | Dbiz AI - *Kochi, India*   Sep 2024 - Jan 2025
- Improved response time of a Retrieval-Augmented Generation (RAG) AI chatbot by 50% by implementing streaming and async optimizations using Vercel AI SDK and Next.js.
- Enhanced application performance and user experience through iterative profiling and code refinement.
- Wrote robust unit tests with Jest, achieving 90%+ coverage and reducing production bugs.
- Collaborated with cross-functional teams in an Agile setup to ship weekly releases.

Software Engineer | Fingent Global Solutions - *Kochi, India*   Jul 2022 - Aug 2024
- Designed and implemented scalable backend RBAC systems using Node.js and MongoDB, improving security and user management.
- Led and mentored a team of 2 junior developers, improving delivery speed and code quality through code reviews and knowledge sharing.
- Developed responsive frontend components with React, maintaining design system alignment and accessibility.
- Participated in sprint planning, QA cycles, and client demo presentations.

Software Developer | Polus Solutions - *Trivandrum, India*   Jun 2021 - Jul 2022
- Built and deployed over 10 high-impact websites and web apps (eCommerce and EdTech) using React, HTML, CSS, and Tailwind.
- Interfaced directly with international clients to gather requirements and deliver on timelines.
- Mentored a team of 3 developers, improving coding standards and documentation.

Junior System Engineer | Reizend IT Consultants - *Trivandrum, India*   Jul 2019 - Aug 2020
- Contributed to UI development, bug fixing, and maintenance in Agile sprints.
- Worked with senior developers on production deployments and backend tasks in PHP and JavaScript projects.
- Gained hands-on experience in real-world project lifecycles and cross-team collaboration.

PROJECTS

- **RAG Based AI Chatbot -** *React, Next.js, Node.js, MongoDB, Vercel AI SDK* - [kulfi-ai.com]
  A customizable multi-tenant AI chatbot with a custom knowledge base, capable of streaming chat interactions, which can be integrated into any website in a matter of minutes.

- **ATS Resume Scanner** - *React.js, Next.js, Node.js, OpenAI, Vercel SDK* - [ats-resume-scanner.com]
  AI based resume scoring and optimization application using OpenAI APIs.
- **Portfolio 2.0** - *React.js, Framer Motion* - [ashishbthoppil.netlify.app]
  Personal portfolio website developed using React.js, Framer Motion and deployed using Netlify.

EDUCATION

- Master of Computer Applications - *Mahatma Gandhi University, Kottayam*   Aug 2015 - Dec 2018
- Bachelor of Computer Applications - *Mahatma Gandhi University, Kottayam*   May 2012 - Jun 2015