Contact

manuskumar231@gmail.com

www.linkedin.com/in/manu-s-kumar-07003317a (LinkedIn)

Top Skills

Nodejs

Amazon Bedrock

TypeScript

Certifications

Sustainable Software Architecture

Master MERN Stack by Building Complete Blog Project [2020]

React: Software Architecture

Learning the OWASP Top 10

Modern React with Redux [2020 Update]

Honors-Awards

Envestnet Wow Award

Envestnet Star of the Quarter

Envestnet WOW Award

Envestnet WOW Award

Manu S Kumar

Lead Engineer at Envestnet, Inc

Kollam, Kerala, India

Summary

 Frontend Developer | GenAI Integrator | Scalable UI Architect

I'm a passionate Frontend Developer with strong expertise in building modern, performant, and intelligent web applications.

Tech Stack Highlights:

* React.js, TypeScript, JavaScript, Redux Toolkit, Zustand, MobX, Redux-Saga
* Vite, Webpack, Jest, React Testing Library
* Monorepo architecture using Turborepo
* Reusable components with Web Components, Module Federation and Micro Frontends

Generative AI Experience:

* Built intelligent UI apps usingClaude, LLaMA 3.1, and other open/ commercial models
* Worked with LangChain, LangGraph, LangFlow, AnythingLLM, and Model Context Protocol (MCP)
* Integrated LLMs into web apps to power chatbots, smart content generators, and adaptive UIs
* Hands-on experience with AWS Bedrock for scalable and secure GenAI deployments

Full-Stack Capability:

* Backend experience with Node.js and MongoDB
* Able to deliver end-to-end solutions from robust APIs to dynamic, AI-enhanced frontends

My Mission:
To build fast, modular, and intelligent web interfaces that deliver great UX and evolve with the future of AI.

Let's build smarter, faster, and scalable digital products together!

Experience

Envestnet, Inc
4 years 9 months

Lead Engineer
October 2024 - Present (1 year 5 months)

Leading frontend architecture for enterprise-scale React applications used by financial advisors

Designing and implementing micro-frontend architecture using Module Federation

Driving adoption of reusable component libraries and shared design systems across teams

Integrating Generative AI capabilities using AWS Bedrock, Claude, and LLM-based workflows

Defining coding standards, architecture guidelines, and best practices

Collaborating with product managers and backend teams to define scalable technical solutions

Mentoring engineers, conducting code reviews, and improving team productivity

Driving performance improvements (bundle optimization, lazy loading, caching strategies)

Leading POCs and technical evaluations for new technologies including GenAI frameworks

Associate Lead Engineer
October 2022 - September 2024 (2 years)
Thiruvananthapuram, Kerala, India

Designed and delivered AI-powered UI features including chat assistants and content generators

Integrated Claude and LLaMA models into web applications using secure and scalable patterns

Implemented advanced state management using Redux Toolkit and Redux-Saga

Contributed to monorepo setup using Turborepo for multi-application environments

Built reusable Web Components and shared libraries used across multiple products

Worked closely with stakeholders to translate business requirements into technical solutions

Guided junior developers and supported technical onboarding

Improved application performance and reduced load times through optimization techniques

Senior Software Engineer
June 2021 - September 2022 (1 year 4 months)
Trivandrum, Kerala, India

Developed complex UI modules using React and TypeScript

Built generic, reusable components to accelerate development across teams

Implemented unit testing using Jest and React Testing Library

Participated in architecture discussions and design reviews

Contributed to CI/CD readiness and build optimization

Kimball Electronics (India) Pvt. Ltd.
Software Engineer
June 2018 - June 2021 (3 years 1 month)
Thiruvananthapuram, Kerala, India

Developed and maintained web applications using JavaScript and backend services

Built full-stack features using Node.js and database integrations

Collaborated with cross-functional teams to deliver production releases

Supported bug fixing, performance improvements, and system enhancements

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Education

Govt. Engineering College, Barton Hill, Thiruvananthapuram
Bachelor of Technology - BTech, Electronics and Communication
Engineering · (2014 - 2018)