Mohanraj Rangasamy

Frontend Developer | JS/TS, Node.js, Next.js, React.js, React Query, Cypress | Micro-frontend based Web Development

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Summary

Frontend Developer & UI/UX Designer with **16 years of experience (8 years in each)**, specialising in responsive, user-friendly, and **microfrontend-based web applications**. Proficient in **JavaScript, TypeScript, React.js, Next.js, Node.js, and TanStack React Query**, with expertise in performance, accessibility, and seamless UX. Skilled in **Figma, Sketch, Adobe Photoshop, and XD**, bridging design and development. Passionate about clean code, optimisation, and staying ahead of web trends.

Skills

Programming Languages: Javascript (ES6+) | Typescript | HTML5 | CSS3 | SASS | Python (beginner)

Frontend and Backend Frameworks/Libraries: Node.js | Next.js | Express.js | React.js | Tanstack React Query | Tailwindcss | Material UI | React Bootstrap Storybook | Styled Components | Webpack | Rollup

Testing & Development Tools: Jest | React Testing Library (RTL) | Cypress

Additional Tools: NPM | Yarn | PNPM | ESLint | Sonar Lint | Snyk | Git | JIRA | Github | Bitbucket

UI/UX Design Tools: Adobe Photoshop | Adobe XD | Sketch | Figma

Work Experience

Infosys Equinox
Frontend Architect

Bangalore, Karnataka.
August 2020 - Present

- Leading a **development team of 40+ engineers** to build interactive, dynamic, and scalable web applications using a modern technology, including JavaScript (ES6+), **TypeScript, React.js with Hooks, Next.js and tools like TanStack React Query**, Express.js, Webpack, Storybook, React Testing Library and Jest.
- Architecting scalable solutions with **Mono Repo and Micro-Frontend (MFE) architectures** using Turbo Repo, reducing code duplication by 50% and enhancing developer efficiency by 25%.
- Developed **16+ reusable automation libraries** and private NPM packages, improving efficiency, maintainability, and reducing development time by 10% across multiple projects.
- Building **platform admin tools,** managing key **eCommerce** modules like **Accounts, Customers, Orders, Loyalty, Subscriptions, Inventory, Payments, Shipments, and Attributes.**
- Collaborating with the DevOps team to ensure efficient **CI/CD pipeline** setup and streamline deployment processes.
- Enabled dynamic feature management **by implementing extension capabilities with a configuration-based model**, reducing the need for deployments and **accelerating feature rollout by 20%.**
- Facilitating Agile practices through daily stand-ups, pair programming, live coding sessions, and cross-team collaboration.
- Overseeing code quality via code reviews, merge management, and deployment processes.
- Driving technical decision-making, evaluating design alternatives, and resolving complex technical challenges.
- Creating detailed documentation, including flow diagrams and architecture blueprints, to align development with business goals.
- Mentoring and **training 50+ employees monthly**, focusing on code best practices, quality, and skill development, **leading to a 10% improvement** in overall team efficiency and productivity.

Skava an Infosys
Creative Manager

Coimbatore, Tamilnadu.
March 2009 - August 2020

- Led a design team to **12 engineers for craft professional User Interfaces (UI)** & exceptional User Experiences (UX) for web and mobile applications using Figma, Adobe XD.
- Designed UI/UX for **Mini Cart and Cart, Checkout Pages** to enhance the eCommerce shopping experience.
- Created UI/UX for **platform admin tools**, ensuring an intuitive and efficient interface for managing Accounts, Customers, Dashboards, Inventory, Payments, Shipments, and Asset Management in eCommerce operations.
- Developed **80+ static eCommerce pages by creating HTML & CSS outputs**, assisting developers and reducing frontend development time by 30%.
- Built **Flash applications with ActionScript (AS3) for Facebook & web**, delivering engaging user experiences.
- Conducted **Visual Quality Analysis (VQA) on 6+ projects**, ensuring pixel-perfect implementation and reducing design-to-development inconsistencies by 35%

- Collaborated with BAs and stakeholders to gather requirements and execute them within Agile sprints.
- Built automation tools to streamline development and enhance efficiency.
- Implemented Agile design practices, including design critiques, collaborative brainstorming sessions, and iterative prototyping, to enhance team efficiency and product quality.
- Drove technical decision-making, evaluated design alternatives, and resolved complex technical challenges.

Senior Creative Engineer

- Led a design team to create professional UI & exceptional UX for web and mobile applications using Sketch, and Photoshop.
- Designed scalable UI/UX components following the **Atomic Design Methodology** for consistency and reusability.
- Created **wireframes, prototypes, and conducted design reviews** to align with user and business needs.
- Developed static **eCommerce pages by creating HTML & CSS outputs** to assist developers in implementation.
- Produced **design and video presentations** to showcase multiple products from a sales perspective.
- Designed certificates, mementos, banners, and cheque banners for company celebrations and award events.
- Collaborated in Agile workflows, including design critiques and iterative feedback sessions, to enhance team productivity.

Creative Engineer

- Created assets, generated fonts, designed sprite images, optimised images, and provided design specifications to enhance visual quality and development efficiency using Adobe Photoshop.
- Designed **mobile apps for gaming applications**, ensuring an engaging and user-friendly experience.
- Created app icons and banners for Mobile and Tablet devices to enhance visual appeal and brand identity.
- Designed **Facebook event-specific pages for clients**, maintaining brand consistency and enhancing user engagement.

Honors & Awards

Most Valuable Player(MVP) of the Year 2024
Innovation: Building Extensions for Admin Tool

Employee of the Year 2018
For overall performance of the year and elected by voting methods

Founder Award 2017
Innovation: Automation tool for Photoshop to HTML (P2H)

Founder Award 2016
Innovation: SASS Library (ADZE)

Star Awards for the Years 2011, 2013 and 2015
Overall best performances

Distinguished Awards from 2009 - 2024
Excellence of Services

Find Me At

Profile: https://mohanrajrangasamy-profile.vercel.app

LinkedIn: https://www.linkedin.com/in/mohanrajr-frontend-dev

GitHub: https://github.com/cra2ycoder

Languages

Tamil
Fluent/Proficient

English
Fluent/Proficient

Education

Bachelour of Computer Application (BCA)
Bharathiyar University

Coimbatore, Tamilnadu.
April 2016 - May 2017

Diploma in Information Techonology (DIT)
Sri Ramakrishna Mission Vidyalaya Polytechnic College

Coimbatore, Tamilnadu.
April 2005 - April 2007