Mageshkannan Annathurai

Software Engineer
Srivilliputtur - 626125, India

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Education

Adhiyamaan College Of Engineering	Hosur, India
Bachelor of Engineering in Computer Science − CGPA:7.39	*Oct 2016 - Apr 2020*

Experience

EY GDS	Coimbatore, India
Software Engineer	*April 2024– March 2025*

- Worked on A digital platform for project developers and buyers to connect, explore, transact and retire voluntary carbon credits, powered by Northern Trust Matrix Zenith **Click Here to View Carbon Ecosystem**
- Contributed to Carbon Ecosystem's application state management, building complex UI such as Data tables, Dashboards and Form wizard with **React, Redux Toolkit, Redux Saga, AG Grid, MUI**
- Prioritized code quality, scalability, and maintainability to ensure long-term stability and minimize future maintenance.
- **Improved application performance by 65% and reduced initial page load time by 40%** through code splitting, lazy loading, and optimization techniques.
- Implemented rigorous **unit and end-to-end testing protocols using Jest, Cypress**, resulting in improved code quality and a significant reduction in bug rates with at least **80% test coverage**.
- Later, moved to a Civil Services job portal project, a high-traffic recruitment site serving public sector roles for UK Govt. **Click Here to View Job Portal**
- Built accessible, mobile-responsive UI using React.js and SASS adhering to UK Govt System Design and Unit Tested. **Click Here to View Design System**
- Worked on key features including Job search interface, Advance Filters, etc **Integrating Pega DX API**
- Mentored a junior developer by participating in his code reviews and teaching best practices and Unit Testing.
- Actively participated in agile development methodologies, including daily stand-ups, sprint planning, and retrospectives, fostering effective teamwork and continuous improvement.
- Collaborated effectively with management, cross functional teams, and development partners to ensure smooth project execution, timely delivery, and alignment with business objectives.
- Received Recognition from both the Northern Trust and EY for excellent performance.

Capgemini	Chennai, India
Software Engineer	*April 2021 – July 2023*

- Supported in migration of a critical financial information platform from Angular to React, improving performance and enabling real-time data updates.
- Modernized the technology stack with **React.js, Next.js, Express.js, Redux Toolkit, Auth0**, and Zod for enhanced scalability, security, and user experience.
- Developed **reusable components and implemented custom hooks** to improve code maintainability, reduce redundancy, and enhance development efficiency.
- Conducted thorough testing using the React Testing Library, achieving **100% code coverage on critical components** to ensure application stability and reliability.
- Developed and implemented a comprehensive internal project management application, replacing manual processes with a streamlined digital solution.
- **Reduced manual data entry by 75%** and improved data accuracy through automation and robust validation.
- Recognized for outstanding project contributions with the **"Project of the Month" award in September 2021**. **View Recognition**

Shaiash Info Solutions	Chennai, India
Software Engineer Intern	*Dec 2019 – Feb 2020*

- Supported in a Clinic appointment booking project.
- Helped to develop the front end with HTML, CSS and Bootstrap and ensuring responsiveness across all devices.
- Worked with developers to identify and remove software bugs.

Certifications

1. AWS Cloud Practitioner — Expired on Jun 2024 ***View Certificate***

2. Meta Front-End Developer ***View Certificate***

3. EY Cloud Badge ***View Badge***

Skills

Key Skills: React js, Next js, JavaScript (ES6+), Typescript, Redux Toolkit, React Router, Reusable UI Components (JSX/TSX), Custom hooks, Unit Test (jest), E2E Test (Cypress), API Integration

- ***Languages*** — JavaScript, Typescript, Java, SQL.

- ***Libraries/Frameworks*** — React js, Next js, React Router, React Query, React Hook Form, Redux, Redux Saga, Redux Toolkit, React Native, AG Grid, Express js.

- ***Markup/UI Libraries*** — HTML 5, CSS 3, Bootstrap, Tailwind CSS, MUI, Shadcn UI.

- ***Testing*** — Jest, React Testing Library, Vitest, Unit Test, E2E Testing, Cypress, Performance Testing.

- ***Version Control*** — Git, GitHub.

- ***Database*** — Postgres, Firebase, Supabase.

- ***Auth*** — Auth0, Clerk.

- ***Tools/DevTools*** — VS Code, Jira, Teams, Slack, Figma, Microsoft Office, Chrome DevTool, Light House, React DevTool, React Profiler, Redux DevTool, WAVE(accessibility).

- ***Others*** — Data Structures and Algorithms, Object-Oriented Programming, Integration of REST APIs, Babel, Webpack, Linux, Vercel, AWS, Power BI, Node js, Agile.