Manish Kumar Singh

Frontend Engineer

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A Software developer having a keen eye towards translating requirements into designs and designs into well crafted and performant pieces of user interfaces and codebases, adhering to all the semantic, syntactic and styling needs. Experienced with variable size of teams and projects, adapting to different development environments with little to no efforts.

TECHNICAL SKILLS

Main: Typescript, NodeJS, React, NextJS

Other: Rust, Angular, React Native, ASP.NET core, C#

Testing: Jest, Karma, Mocha, React Testing Library, Puppeteer

Database Systems : MongoDB, MySQL, Redis

CI/CD: Docker, Travis CI, Github Actions, Kubernetes

EXPERIENCE

Frontend Engineer at F&K Solutions   **June 2020 - Present**

Key Qualifications & Responsibilities

- Developed multiple full stack web applications, building and structuring APIs from scratch and rendering relevant data on frontend.
- Led the development of a CRM platform. Designed and architectured backend in node and frontend in React(Typescript), adding adequate unit and integration tests with jest and react-testing-library. Maintained the codebase, scaling and added new tests as new functionalities arrived.
- Led the development of an index fund based mobile app in React Native, including backend, keeping the scalability in focus and load testing APIs post
- Managing post launch updates to products. Fetching requirements from clients and planning timelines for deliverables.
- Introduced self and others to **terraform** and reduced multiple aws infrastructure tasks to few commands.
- Developed multiple decentralized apps on ethereum blockchain with web3, Smart Contracts with proper testing.

Highlights

- Updated codebases and containerizing multiple applications to integrate with CI/CD platforms and kubernetes.

● Integrated web components built in react in an already built static html website.

Software Developer Engineer at Almora   April 2018 - April 2020

Key Qualifications & Responsibilities

● Built a Web Frontend for Cryptocurrency Exchange pursuing mobile responsiveness, faster load and response times and minimum latency for user interactivity, taking the lighthouse score to 89 from 73. Written ample unit tests in conjunction with integration testing with **karma.**
● Worked on enhancing mobile responsiveness for multiple frontends and turning them into PWAs for an improved user experience, introduced SSR along the way leveraging Angular Universal and ReactDomServer..
● Updated all frontends and multiple backends projects to integrate with newly introduced deployment flow to kubernetes with ever changing CI/CD tools.
● Evaluated latest blockchain technologies like lightning network, for eventual integration with the exchange.
● Working with multiple cryptocurrency blockchains and their SDKs to build corresponding wallets.

Software developer Engineer at Trihund Solutions   April 2017 - April 2018

Key Qualifications & Responsibilities

● Refactored most of the company's legacy code into a readable and maintainable codebase and laid out code standards to be used company wide.
● Led a team of 3 in implementing new design for the company's premier website from scratch to replace pre existing frontend with Angular. Introduced test driven development for both backend and frontend.
● Mentored interns and other devs to modern full stack development through peer code review and helpful resources.
● Created a typescript node boilerplate starter to help the team quickstart further projects.
● Architectured microservices pattern to update the company's premier platform **Samayla**, a project management tool to ease company's deployment flow.
● Integrated **Samayla** with **Box** on frontend and backend with comprehensive documentation.
● Developed a full stack gamification application from ground up and led the project further afterwards including database design and CI/CD architecture.
● Helped in adding multiple new functionalities in the company's legacy PHP codebase and added documentation to reduce time required to familiarize with the whole codebase.

Web Developer Internship at Venera.io   December 2016 - March 2017

Key Qualifications & Responsibilities

● Designed and built multiple full stack applications for various clients.
● Built multiple dashboards with interactive charts and detailed statistics.

Web Developer Internship at Zillion.io, Gurgaon   **June 2016 - Mid August 2016**

Key Qualifications & Responsibilities

- Worked on optimizing the company's website SEO.
- Developed an application to create dynamic personal portfolios through a dashboard.
- Created a custom library in PHP to simplify and streamline database interactions.
- Designed and developed an interactive dashboard focused on visualizing important data in the form of charts.

Virtual Chemistry Lab, D.U Innovation Project   **August 2015 - August 2016**

A Software for experimenting with Chemistry on a Computer.

Made the abstract layout of the whole project. Built the code base implementing the MVVM pattern. Worked on Code Reusability, Readability with following the SOLID and DRY programming principles.

EDUCATION

University of Delhi   **2017**
B.Tech in Computer Science
74.16%

EXTRA CURRICULAR ACTIVITIES

- **Volunteer** active volunteer in (Free and Open Source Software) FOSS Workshops and spreading awareness about it and college's technical fest OVERLOAD++.
- Hosted **workshop** on Fundamentals to Laravel
- Various participation and positions in inter college tech quizzes and programming competitions.