

TANMAY SHARMA

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worldwardocs.com

CAREER SUMMARY

Software Engineer with 7+ years of experience in developing web based SaaS software and Android Apps.

IMPACT SUMMARY

- Worked on real time data updates on train Scheduling system synced visual components like grid and charts with, reduced data update time from 5 sec to 1 sec
- Worked as part of engineering team for Grand launch of Mahesh Babu clothing collection on fashion E-commerce platform(spoyl),optimized app for 10k active live users.
- As hiring panel helped the company hire 10+ talented engineers

SKILLS

Technical Skills React.js, Typescript/Javascript, HTML, CSS, Node.js, Git, AWS/Gcloud(Basic)
Tools and Frameworks Next.js, Vue.js, ChatGPT, Copilot, Azure DevOps, Spingboot, DDD, TDD

EXPERIENCE

Principal Software Engineer Jan 2023 - Present
Optym *Bangalore, India*

- Participated in stakeholder meetings as Tech lead, ensured right expectation and technical feasibility for business objectives
- Lead the UI team which includes aligning clients requirements with team, so that task can be archived with minimum occurrence of issues and ensured the timely delivery of features to clients.
- Setup new project's robust base boilerplate for the team.
- Guided team to develop complex and interactive UI elements with real-time data flow intervals of 3-6 hours with considering race conditions in check.
- Documented and finalized frontend architecture based on Domain-Driven Design (DDD) principles and logical component segregation, leveraging frameworks like Next.js and MobX
- Architect new features such as schematic views(Three.js/web gl) and KPI dashboards.
- Optimized bundle size, app load time, and code readability while reducing code complexity.
- Contributed to common controls/components as independent private packages to private npm repository for which is used by various company projects.
- Integrated Analytics in App(App insights Azure) to observe user engagement post-release of new features.
- As Tech Lead, assisted and did pair programming with team members in addressing critical bugs in authentication flows and user management, ensuring the achievement of the desired results and system stability.

Senior Software Engineer Jan 2021 - Dec 2022
Optym *Bangalore, India*

- Researched and documented functional programming feasibility
- Created code contribution manual for linting and best practices
- Contributed to WebGL knowledge sessions for project support
- Developed features like multimonitor support and React.js window popups
- Validated technical feasibility of design handovers

Software Engineer

Optym

May 2020 - Dec 2020

Bangalore, India

- Conducted proof of concepts (POCs) for company products such as SchematicView (react-three-fiber), Gantt Chart (dhtmlx-gantt), Map for UI (MapBox gl).
- Developed custom reusable frontend controls/components including Date Range Picker, Data Grid HOC, Custom hooks for API calls and async data updates.
- Implemented UX features such as Drag and Drop, Right-click Context Menu popup, Autocomplete search.
- Conducted performance analysis of WebGL (Three.js) and Data Grid components, enhancing load performance through techniques like lazy-loading and tree shaking from webpack framework.
- Emphasized functional programming with libraries like Ramda and Lodash alongside Object-Oriented Programming (OOP) principles to foster declarative code.
- Managed task assignment to overseas development teams with diverse ethnicities, facilitating effective technical communication and collaboration.

Web developer

Spoyl

Mar 2019 - April 2020

Bangalore, India

- Created data-driven components with concepts of lazy-loading and code splitting in VueJS frontend library.
- Developing PWA (progressive web app) with Nuxt JS framework for web Server Side Rendering With global store as Vuex store like Redux.
- Optimizing page loading time with use of Google Workbox (service worker) for caching, code-splitting, and lazy-loading.
- Worked on secure authentication for Spoyl web app using JWTs.

Full stack developer

Cracker Digital Media

Oct 2018 - Jan 2019

Jaipur, India

- Features addition to client SAAS platform: - Programmed modular and data-driven components in React JS.
- Learned and applied GraphQL schema and mutations for new features, resulting in smooth and feature-rich experience.
- Maintenance on notification scheduling for newly added schema: - Worked on Node.js server with LOOPBACK module.

Full stack developer

Oficio cloud software

Aug 2017 - Sep 2018

Bangalore, India

- Worked on Spring-Java framework for creating and managing REST APIs as backend development
- Learned and Deployed on Gcloud.
- Required data-driven components and presentation of Graphs work on React JS with Material-UI
- Used d3.js as chart UI for representation from CSV files and APIs payloads.
- Reduced component rendering time by 80 percent by implementing Tree data structure while fetching data through API, leading to 7.20 sec reduction in data fetch time from server

PROJECTS

RailMax@Optym Train Schedule Maintenance Web Based Enterprise Software.

Ocomo@Optym Canadian National Locomotive Maintenance Web-Based Enterprise Software.

Salk Health care. An android App that books patient appointment with doctor.

EDUCATION

Diploma In Mobile Computing, Computer Science, CDAC, Bangalore

2017

Bachelor of Technology - BTech, Mechanical Engineering, SRM University

2012 - 2016