Sanjay Mahto

Technical Lead - Front-end

Software Developer with 6+ years of experience with a passion for crafting responsive, user-centric web applications and dedicated to building seamless, high-performance interfaces with a focus on usability and modern design principles.

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WORK EXPERIENCE

Technical Lead
Nference

04/2024 - Present   *Bengaluru, India*

Nference extracts insights from medical records to advance personalized healthcare through data-driven solutions

Tasks

- Lead a team of software engineers, providing technical guidance and fostering a collaborative work environment to ensure successful project execution. Ensured adherence to coding standards, conducted code reviews, and implemented quality assurance processes.

Senior Software Engineer
Nference

06/2021 - 03/2024   *Bengaluru, India*

Nference extracts insights from medical records to advance personalized healthcare through data-driven solutions

Achievements

- Contributed to AI-Studio, Annotator Library, and Dicom Viewer Library, spanning data labeling, image annotation, and Dicom image viewing with annotation capabilities.
- Enhanced these tools by adding word clouds, overlap tagging, Digital Zoomable Image support, image classification, taggers dashboard, and core UI library components like Nested tagging and Random sampling.
- Achieved remarkable time savings by integrating the S.A.M (Segment Anything Model) into the Image Segmentation task, reducing annotation time by 50-60%.

Software Engineer
Playment

05/2019 - 05/2021   *Bengaluru, India*

Playment is a data labeling platform that uses microwork to create high-quality datasets for machine learning model training

Achievements

- Successfully developed core features for Jarvis, Player App, and the company website, encompassing media handling, project dashboards, QC tools, and RBAC integration.
- Spearheaded innovations like Lidar Segmentation, 3D Recall checker, and AI assistance, while optimizing point cloud coloration and adding grid support.
- Ensured code quality by incorporating functional testing using Mocha, headless Chrome, and comprehensive code coverage analysis with SonarCloud.
- Instrumented source code for automation test cases, enabling detailed code coverage reports and enhancing overall testing processes.

Software Engineer
Fusioncharts

03/2018 - 04/2019   *Bengaluru, India*

FusionCharts is a data visualization company specializing in creating interactive and visually appealing data charts and graphs for businesses.

Achievements

- Elevated the product website using React JS, Redux-thunk, Server Side Rendering, and Express JS to showcase Muze, a Data Visualization Library.
- Enhanced user experience by implementing a Chart Gallery and a Code Editor for executing Muze code.
- Innovated with Moriarity, an Autotest runner that leverages Puppeteer and OpenCV to perform bulk image comparisons for precise chart differences assessment in new releases.

SKILLS

Javascript (ES6+) Typescript GIT Material UI React JS Redux Redux-thunk D3.js Three.js SSR NodeJS WebRTC Webpack Mocha Cypress Jest Babel Responsive Design

PERSONAL PROJECTS

Real-time video communication ⧉
- Create Group Video Chat with WebRTC Mesh Architecture, React and Websockets

Hierarchial data representation ⧉
- Nested JSON Data to DAG(Directed Acyclic Graph) converter

File system explorer ⧉
- Developed file system explorer (like OS) with searching, sorting, renaming, creation and deletion of files and directories functionalities

EDUCATION

Birsa Institute of Technology, Dhanbad
B.Tech in Information Technology

06/2013 - 06/2017
CGPA: 7.82/10

ACHIEVEMENTS

Got 80th Rank Globally in TCS Codevita 2016 (season V)

Branch Topper in 3rd, 6th and 8th Semester in College

Qualified AIEEE 2013 with AIR 35000 and JCECE Examination with AIR 1030

INTERESTS

Squash Tennis Cricket Flute OSS Contribution Travelling Music