

MANMOHAN LABH

Software Development Engineer 2 Frontend @ Innovaccer Inc.

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Education

Indian Institute of Technology (ISM), Dhanbad

Bachelor of Technology

Experience

Innovaccer Inc., India

Software Development Engineer 2 Frontend

June 2024 – Present

- Led the License Manager platform mid-project, consolidating clinical assets, data assets, provider hierarchies, and value-based care contracts. Streamlined operations for 50+ organizations, boosting efficiency and user experience by 30%
- Designed and implemented the Patient Reference feature, enabling 1,600+ healthcare organizations across the U.S. to securely share patient data within chat on web and laptop applications. Integrated advanced search filters and APIs, cutting data-sharing time by 70%. The feature streamlined workflows, improving communication and accelerating patient care services
- Strengthened code quality by conducting rigorous testing and debugging, reducing the bug rate by 15%.
- Engineered and maintained three microservices within the Microfrontend architecture using React and a Backend-for-Frontend (BFF) approach, ensuring modular and scalable application development.
- Optimized the codebase by replacing Redux with custom hooks and Context, reducing code size by 25% and decreasing the bug rate by 15%

I'mbesideyou Inc., Japan

Software Development Engineer 2 Full Stack

Aug 2023 – June 2024

- Architected scalable front-end solutions and seamlessly integrated them with back-end systems, enhancing UI/UX workflows across multiple products.
- Built and optimized front-end and back-end infrastructure using AWS CDK, provisioning databases, VPCs, and S3 buckets, boosting deployment efficiency by 30%.
- Accelerated front-end performance by reducing graph loading time from 1.5 minutes to under 1 second. Integrated ML models and optimized backend systems, increasing overall user engagement by 20%.
- Conducted in-depth Product-Market Fit (PMF) research, driving strategic product and development decisions for both front-end and back-end features.

Software Development Engineer Full Stack

Aug 2021 – July 2023

- Built front-end applications with React.js, leveraging Redux for state management and integrating vis.js for data visualization.
- Integrated third-party APIs, including Zoom, Google Drive, and Google Calendar, using OAuth authentication. Developed a Google Meet extension for seamless collaboration.
- Designed and deployed APIs with AWS API Gateway and Serverless Framework on AWS Lambda, ensuring scalable and efficient backend functionality.

Web Engineer Intern Frontend

June 2021 – July 2021

- Analyzed mental health data to uncover insights and trends, driving data-informed decision-making.
 - Developed and maintained visualizations using Chart.js and React.js to track evolving trends. Published a Medium post documenting key learnings on leveraging Chart.js for data visualization.
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Projects

Offline Transaction System (React.js, React Native, Node.js, MySQL)

- Engineered an offline transaction system enabling users to send and receive money without an internet connection. **[GitHub: <https://github.com/labhmanmohan25/Offline-Transaction-System?tab=readme-ov-file>]**
- Developed a user and bank website with React.js, a mobile app as a transaction channel using React Native, and a backend server with Node.js and MySQL for secure data management.

Flash Loan Arbitrage (React.js, Solidity)

- Built an automated cryptocurrency arbitrage system that identifies market inefficiencies and executes trades using flash loans for zero-capital transactions.
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Skills

- **Programming Languages:** C++, JavaScript, Python, Java
 - **Tools & Frameworks:** React.js, Redux, Node.js, Docker, Serverless
 - **Databases:** MySQL, DynamoDB, MongoDB
 - **Cloud Platforms:** AWS (Lambda, RDS, VPC, S3, API Gateway, CDK, ECR, CodeBuild)
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Awards & Accomplishments

- **Gandhian Young Technological Innovation (GYTI) Appreciation Award 2023**
 - Awarded for the invention of an **EEG-controlled medical bed**.
 - **Patent:** System and method to control a **pneumatic medical bed using EEG signals**.
 - **Winner of India - Australia Circular Economy Hackathon**
 - Recognized by the Prime Ministers of India & Australia.
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Activities & Positions

- **Represented I'mbesideyou Inc.** at Mumbai HR Summit & Techsparks.
- **Chassis Design Head** at Mechismu Racing IIT (ISM), Dhanbad.