

ABHITEJ VENNAPU

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♦ [Linkedin](#) ♦ [Portfolio](#)

SUMMARY

Frontend-focused Software Developer with 4+ years of experience spanning the full software development lifecycle, including design, development, data modeling, architecture, and testing. Proven ability to translate complex requirements into intuitive, performant user interfaces. Passionate about building high-quality, scalable frontend applications with a strong focus on clean code, user experience, and modern best practices.

EXPERIENCE

Software Developer

JUNE 2024 - Present

Everest Systems, Heidelberg, Germany

- Developed and maintained core applications in a custom ERP system, focusing on HR and Cloud Cost modules using TypeScript.
- Designed and implemented a fully integrated Job Portal, allowing external applicants to view open positions and submit applications directly into the HR system.
- Contributed to the Cloud Cost module by integrating Slack usage costs and personnel costs from the HR module, improving cross-departmental visibility of operational expenses.
- Collaborated cross-functionally with product and design teams to deliver user-friendly and scalable features with high performance and reliability.
- Participated in code reviews, sprint planning, and continuous integration processes in an agile development environment.

Front End Developer - Working Student

APR 2023 - MAY 2024

Retcor GmbH, Bielefeld, Germany

- Engineered a scalable front-end architecture for a financial management tool using React.js and TypeScript, emphasizing Redux state management and efficient API integration. This approach reduced development time for new features by an estimated 15%.
- Developed more than 6 reusable components in React.js, TypeScript involving multi-language support, responsive interface, and lazy loading.
- Incorporated Jest unit and integration testing, achieving an initial code coverage of 63%.
- Revamped the existing company portfolio webapp using React.js and Material UI, resulting in a 24% increase in traffic within the first month.

Software Engineer - Working Student

JAN 2022 - JAN 2023

Venture Leap GmbH, Berlin, Germany

- Applied cost-effective strategies to create front end of a shopping cart in an online laundry ordering platform using JavaScript, leading to a 20% reduction in development cost.
- Achieved a 20% improvement in software quality and reliability while managing its entire testing lifecycle, including formulating test cases, manual testing, and driving automation with Selenium in Java.

Associate Software QC Engineer

JAN 2019 - JUL 2020

Deloitte USI, Hyderabad, India

- Collaborated in a 4 membered team rebuilding the testing framework for a fintech application using Java and Selenium to increase code reusability.
- Optimized automation by reducing Lines of Code (LOC) for a test case by an average of 25%.

- Supported the development team with bug fixes in ASP.NET resulting in a 13% decrease in post-release issues.

EDUCATION

Master of Computer Science, Rhineland Palatinate Technical University APR 2021 - FEB 2024
Relevant Coursework: Foundations of Software Engineering, Human Computer Interaction, Software Architecture, Software Project Management, Requirements Engineering, Machine Learning.

Bachelor in Information Technology, VNR VJIET, India AUG 2015 - MAY 2019
Relevant Coursework: Object Oriented Programming, Advanced Data Structures, Web Technologies, Java Programming, Big Data Analytics, Operating Systems.

SKILLS

Technical Skills	React.js, TypeScript, JavaScript, Next.js, HTML, CSS, Redux, Figma, Jest, Selenium, JUnit, Git, Mercurial, Jira, Notion, WebPack, Babel.
Languages	English (C2), German (B1).

PROJECTS

Thesis - The Teen's Labbook for BASF: Developed a sub system in a collaborative learning platform for biology students as part of my Master's thesis at RPTU Kaiserslautern in collaboration with BASF SE.

- Developed interactive data visualization components and a dashboard view for student progress tracking within the Labbook.
- Ensured real time collaboration through web sockets in YJS, handled complex states in the application through Redux toolkit.
- Enhanced user experience: Migrated to Material UI, Integrated responsive design.
- Improved import/export features for the documents (PDF, CSV, HTML, DOCX) leveraging CRDT structures (React, JavaScript).
- Ensured code quality (Jest unit testing) and maintainability (Git/GitLab).
- Achieved high SUS score (89%) indicating positive user perception.

Sync Service Application for John Deere: Developed a React.js application utilizing Redux Toolkit, Axios, and Tailwind CSS for John Deere (in collaboration with Fraunhofer IESE) as a capstone project.

- Designed UI wireframes to facilitate user interaction with the application.
- Implemented state management using Redux Toolkit for efficient data handling.
- Consumed RESTful APIs to seamlessly integrate with existing systems, achieving a 76% success rate in data mapping.
- Provided interactive views for customers to read and edit fields from ISO XML documents.
- Styled UI components with Tailwind CSS for a clean and responsive user interface.

CERTIFICATIONS

- Meta courses offered through Coursera: [Advanced React](#), [React Basics](#), [Programming with Javascript](#), [Version Control](#).