

Ashutosh Sarangi

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OBJECTIVE

Passionate Front-End Developer with 8 years of experience in building scalable, high-performance applications using modern technologies like React, Redux Toolkit, and TypeScript. Seeking to leverage my skills and knowledge in a fast-paced, innovative environment at a leading tech company. I am passionate about continuous learning and enhancing my skills.

WORK EXPERIENCE

Organization	Designation	Duration	Experience
Amdocs Technology	Adv.Software Developer	February 2022 - Present	2 years 10 months
Neosoft Technologies	Team Lead	November 2017 to February 2022	4 years 4 months
AutoSum Infotech Pvt Ltd, Andheri, Mumbai, India	Software Developer	August 2017 to November 2017	3 months
NTCS (India) Pvt Ltd, Berhampur, Odisha, India	Software Developer	May 2016 to August 2017	1 year 3 months

TECHNICAL SKILLS

Language	JavaScript, TypeScript
Frameworks & Libraries	React, Redux tool kit, RestAPI, Tailwind, Ecma Script, Material UI, Bootstrap
Tools & Platforms	GitHub (Version Control), Docker, Kubernetes, Firebase, CloudFlare, Postman
Development Practices	Responsive Design, Single Page Applications (SPAs), Unit Testing, Performance Optimization, Code Review, Agile/Scrum Methodologies

EDUCATIONAL QUALIFICATION

Qualification	Specialization	School / College	Board / University	Percentage / CGPA	Year of Passing
Bachelor of Technology (B.Tech)	Information Technology (IT)	National Institute of Science and Technology(N.I.S.T), Berhampur, Odisha	Biju Patnaik University Of Technology	8.14	2016

			(B.P.U.T) Odisha, India		
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NOTICEABLE PROJECT DETAILS & RESPONSIBILITIES

Name	Phoenix
Tools and Technology	Html, CSS, Tailwind, Javascript, Ecma Script, React, Redux Toolkit
Team Size	6
Description	<p>Developed a B2B product aimed at marketers, which includes multiple modules for generating JSON objects used by other applications.</p> <p>Success Metrics:</p> <ul style="list-style-type: none"> • Successfully supported and optimized the loading of 5 million GE data records, reducing loading times by 30%. • Improved the scalability of the application by maintaining distinct layers (Core, Component, Application), which allowed seamless updates and modular enhancements. <p>Key Features:</p> <ul style="list-style-type: none"> • Introduced Conflict Resolution mechanisms similar to Git, which streamlined collaboration and reduced merge conflicts by 40%. • Implemented Attribute-Based Access Control (ABAC), enhancing security by allowing role-based visibility of fields and entities. • Enhanced the user experience by developing features for import/export JSON, supporting various toolbox panels, and optimizing entity characteristics.
Role	Advance Software Developer
Responsibilities	<ul style="list-style-type: none"> • Developed and optimized components and entities, contributing to the successful handling of 5 million GE data loads with a 30% improvement in load times. • Played a key role in maintaining multiple application layers (Core, Component, and Application), ensuring scalability and robustness in B2B solutions used by thousands of marketers. • Led efforts in implementing Conflict Resolution features, akin to Git, allowing simultaneous edits and conflict detection across multiple users, enhancing team collaboration.

	<ul style="list-style-type: none"> Contributed to the design and implementation of Attribute-Based Access Control (ABAC), increasing data security and compliance with industry standards. Conducted code and design reviews, participated in sprint planning, and optimized performance, leading to a 20% reduction in bug-related incidents. Managed import/export JSON features and supported various toolbox panels, enhancing the flexibility and usability of the product. Led efforts to ensure code quality and coverage, achieving 85%+ SonarQube coverage by writing comprehensive unit test cases Advocated for and implemented Test-Driven Development (TDD) practices, ensuring that each user story was thoroughly tested and validated before implementation.
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NAME	Genius Application
Tools and Technology	Html, CSS, Tailwind, Javascript, Angular, Rxjs, NgRx
Team Size	5
Description	<p>This web application helps create Custom Relationship Management Systems (CRMS) for other web applications. It has two main parts:</p> <p>We use drag-and-drop features for the App Builder, similar to Wix.com, where we can build a new website based on configurations.</p> <p>1. App Builder:</p> <ul style="list-style-type: none"> The main web application. Creates JSON data for new applications, pages, and components. <p>2. App Runner:</p> <ul style="list-style-type: none"> Uses the JSON data from the App Builder. Renders the application, including its pages and components, based on the JSON data.
Role	Software Developer(Team Lead)
Responsibilities	<p>Complexity Management:</p> <ul style="list-style-type: none"> Successfully managed and implemented complex HTML drag-and-drop features, enabling users to intuitively build web applications. The JSON format was utilized to store and dynamically render components, resulting in a 40% reduction in manual coding efforts. <p>Performance Optimization:</p>

	<ul style="list-style-type: none"> Enhanced the application's performance by optimizing the drag-and-drop functionality, reducing rendering times by 30%, and improving the overall user experience. <p>Leadership and Project Management:</p> <ul style="list-style-type: none"> Led a team of 5 developers, handling escalations, estimation, project management, and scrum calls. Ensured timely delivery of features with high-quality standards through rigorous design and code reviews. <p>Development and Debugging:</p> <ul style="list-style-type: none"> Took charge of the development process, including debugging and defect handling, leading to a 20% decrease in post-deployment issues. <p>User Experience Improvement:</p> <ul style="list-style-type: none"> Improved the drag-and-drop feature's reliability and responsiveness, leading to a 25% increase in user satisfaction based on feedback from testers.
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NAME	Dabadu
Tools and Technology	Html, CSS, Tailwind, Javascript, Angular
Team Size	15
Description	<p>About Dabadu: A comprehensive platform designed to streamline car dealership operations by consolidating over 15 disparate tools into a single, user-friendly interface. The platform manages over 2 million records, facilitating faster and more efficient car sales.</p> <p>Key Modules:</p> <ul style="list-style-type: none"> Trade-In: <ul style="list-style-type: none"> Offers real-time car valuation and trade-in options, enhancing the decision-making process for dealerships and customers. Customer Journey Management: <ul style="list-style-type: none"> Enables the creation and management of over 100 templates to streamline the sales process, tailored to specific dealership groups. <p>For more details, visit Dabadu Nest.</p>
Role	Software Developer(Team Lead)
Responsibilities	<p>Codebase Optimization:</p> <p>Refactoring Legacy Code:</p>

- Tackled a sizable, complex component with approximately 2000 lines of "junk" code. Through meticulous refactoring, reduced it to around 700 lines, enhancing readability and maintainability.

Implementation Strategies:

Custom Hooks:

- Developed custom hooks to facilitate code splitting, promoting reusability and cleaner architecture.

State Management Enhancements:

- Leveraged setters and getters from Form data to manage the state more efficiently, eliminating the need for multiple separate states.

Data Caching with Selectors:

- Introduced selectors to cache data effectively, reducing unnecessary re-renders and enhancing application performance.

Dynamic Component Rendering:

- Shifted from redundant copy-pasted code to a configuration-driven approach, enabling dynamic component rendering and significantly reducing code duplication.

Quality Assurance:

- Integrated **Jest** and **Sinon** testing libraries to establish a robust testing framework, leading to higher code reliability and a reduction in post-deployment issues by 25%.

Performance Optimization:

- The refactoring and optimization efforts led to a **35% improvement in application performance**, with faster load times and smoother user interactions.

Leadership and Project Management:

- Oversaw escalation handling, project estimation, and coordinated development activities.
- Conducted thorough design and code reviews, ensuring adherence to best practices and maintaining high-quality standards across the development team.

	<p>Impact:</p> <ul style="list-style-type: none"> • The comprehensive optimization not only streamlined the codebase but also enhanced the platform's scalability and user experience. These improvements contributed to a more efficient sales process for car dealerships, aligning with Dabadu's core mission.
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AWARDS / ACHIEVEMENTS

- Certified Kubernetes Application Developer from The Linux Foundation
- DevOps Certified Professional (CP-DOF)
- Certified, Python Exam PCEP_30_02
- Got Best Performer of the Year 2019 at Neosofttech for leading critical and challenging Projects with innovation and leadership skills.

PUBLICATIONS

- **"Building My Own React-Like Library with Advanced Features"** - Dev.to | 2024
Explores the process of creating a React-like library from scratch, focusing on advanced features like custom hooks and state management.
- **"Unlocking Efficiency: The Surprising Impact of Memoization on Recursive Functions"** - Dev.to | 2024
Discusses how memoization can dramatically improve the efficiency of recursive functions in JavaScript, with practical examples.
- **"Array.slice vs. Array.splice: Clearing Up the Confusion"** - Dev.to | 2024
Clarifies the differences between Array.slice vs Array.splice providing insights on when to use each method for optimal performance.