Abhilash Reddy Sandi

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Portfolio • LinkedIn • Dallas, TX

Full Stack Web Developer

Results-driven Developer with 12 years of experience in leading cross-functional teams to create and deliver cutting-edge solutions for diverse markets. Specialize in crafting high-quality React components that enhance user experience and elevate application performance. Strong track record of delivering high-quality web applications and leading teams for successful project completion, on both the front-end and back-end. Deep understanding of web development concepts such as RESTful API design, microservices, and cloud computing couple with proficiency in Agile methodologies. Skilled at leveraging communication skills to lead teams and mentor junior developers.

Technical Proficiencies

Programming Languages:	JavaScript (ES6+), TypeScript, Node JS
UI Frameworks:	React, Angular, AngularJS, Next.js, jQuery
CSS Frameworks:	Tailwind CSS, Bootstrap, Material UI, Foundation, Semantic UI, Grid, Flexbox, Tachyons
Markup Languages:	HTML5, XML, JSX
State Management Libraries:	Redux, React Hooks, React Context, Zustand
Database:	MongoDB, MySQL, Couch DB, SQL Server
Libraries:	GraphQL, graphql-tools, Axios, React Query, React Hook Form, Lodash, Ramda, Underscore.js, D3.js, Chart.js, Moment.js, Express.js, MSW (Mock Service Worker), useHooks
Testing Frameworks:	Jest, React Testing Library, Mocha, Chai, Selenium, TestCafe, Cucumber, MSWJS
Version Control Systems:	Git, GitHub, GitLab, TFS
CI/CD & DevOps:	Jenkins, Concord, ChatOps, Looper, GitLab Actions, Postman, CCM, Expos
Monitoring & Logging:	Grafana, Splunk, OpenObserve
Collaboration Tools:	JIRA, Confluence, Slack, Figma
Containers & Cloud:	Docker, Kubernetes, AWS, Azure
Operating Systems:	Linux, macOS, Windows

Career Experience

Caspex Corp (Client: Walmart)
Remote – Dallas, TX
Full Stack Developer
June 2024 - Present

Worked as part of the International Search team (CA & MX), contributing to the development, migration, and enhancement of search-related features for Walmart's global e-commerce platforms. Collaborated across front-end and back-end services to ensure seamless integration, high performance, and scalability. Engaged in requirement discovery, feature development, testing, and deployments while maintaining service reliability and system health.

- Supported the migration of international codebases (CA & MX) into a unified US search platform, ensuring consistency and maintainability across markets.
- Designed and developed React + TypeScript components for search pages, including coupon modules, subscription flows, and localized search experiences.
- Built and maintained Node.js + GraphQL service layers, leveraging graphql-tools to integrate upstream and downstream APIs.
- Added GraphQL queries in the frontend to fetch required data, leveraging persisted queries and CCM flags for market-specific functionality.
- Implemented state management with React Context and React Hooks, and optimized data fetching and caching using React Query.
- Conducted unit, integration, and end-to-end tests with Jest, TestCafe, and Cucumber to increase test coverage and

reliability.

- Used Postman to validate local and dependent service endpoints during development and testing cycles.
- Rolled out features gradually using CCM (Configuration & Content Management) and Expos, enabling market-specific and soft launches.
- Developed feature flags and A/B test strategies to validate user engagement before global rollouts.
- Leveraged GitHub Copilot Chat and Agent to boost development efficiency, improve code quality, and accelerate iteration cycles.
- Participated in on-call PE rotations, handling incidents, troubleshooting issues, and providing timely resolutions to ensure uptime.
- Monitored deployments, performance, and error rates using Grafana, Splunk, and OpenObserve dashboards.
- Performed multiple front-end and service deployments, using OneOps, ChatOps, Concord, and Looper (Jenkins) for automation and release orchestration.
- Integrated test executions with JIRA and Slack, improving visibility and traceability of quality metrics across teams.
- Collaborated with Product Managers, QA, and downstream service owners during requirement discovery sessions to define feature scope, integration points, and success metrics.

TGS Technology LLC (Client: Leading Bank USA)
Columbus, OH
Full Stack Developer (React)   April 2024 — June 2024

Contributed to the design and development of an Absence Management Web Application for a leading U.S. bank, working closely with design, product, and backend teams. Built the application from the ground up, establishing best practices, folder structure, and reusable patterns. Focused on accessibility, performance, and maintainability while leveraging modern React ecosystem tools.

- Designed and implemented React + TypeScript components for core application features, such as absence tracking, editable data grids, and approval flows.
- Built custom UI components including accordions, AG Grid filters, dialogs, and validation-driven forms, leveraging the bank's internal design system.
- Contributed enhancements and bug fixes to the internal design system, improving consistency and adoption across teams.
- Established state management using a combination of React Context and Zustand, ensuring scalable and predictable data flows.
- Integrated with backend services using React Query and Axios, handling data fetching, caching, retries, and refetching logic.
- Optimized AG Grid performance by using stable row identifiers and efficient rendering strategies for customized cell components.
- Implemented React Hook Form for editing grid rows with validation, delivering robust form state management and user-friendly error handling.
- Used MSW (Mock Service Worker) to simulate backend APIs, enabling independent frontend development and more reliable test coverage.
- Wrote unit and component tests with React Testing Library and mock data from MSW, ensuring resilient and maintainable code.
- Implemented form validations using React Hook Form's schema-based validation for reliable input handling.
- Applied accessibility guidelines to ensure compliance, reviewed and approved by the bank's accessibility team.
- Collaborated with the design team to refine the user experience, contributing improvements to user flows and interactive elements.
- Utilized custom hooks such as useDebounce and useInterval to improve responsiveness and performance.
- Set up project structure and coding standards for scalability and reusability, including folder hierarchy, linting, and documentation.

One.com, Dubai, UAE
Team Lead (Full Stack Web Developer)   March 2019 — February 2024

Oversaw cross-functional teams in development, implementation, and maintenance of user interface for website builder tool. Developed and maintained reusable React components using features such as Redux for state management and Hooks for functional component logic. Implemented responsive and interactive user interfaces leveraging React's declarative and component-based architecture. Conducted technical analysis and contributed to planning and estimation processes. Utilized Node.js to craft server-side applications and streamline website content extraction and conversion into

JSON objects. Designed and implemented APIs with third-party services. Integrated advanced AI technology into products, monitored user actions with Mixpanel event tracking, and analyzed user reports. Developed new feature to create static websites based on intuitive responses to prompts. Collaborated with Product Owners (PO) and Quality Assurance (QA) teams to craft new feature acceptance criteria and recommended changes based on designs. Identified improvement areas for product in sprint retrospectives and administered enhancement strategies. Reviewed codes and provided suggestions for team members.

Project: Website Builder: http://www.one.com/en/websitebuilder

Website builder tool allows users to design and create websites without having to edit code. Users can do everything, without designers and developers. Website Builder is built to make creating websites as easy as possible.

- Spearheaded development and continuous improvement of Website Builder while enhancing user experience and functionality, with a focus on adhering Web Accessibility standards to ensure inclusivity for all users.
- Developed multiple components like slider, gallery, autocomplete, hover box, address, contact, etc., using React, TypeScript and Redux for SPA website builder workspace. Implemented advanced features such as drag-and-drop functionality and real-time updates using React's built-in Context API and React DnD library.
- Developed dashboard using React, TypeScript, Material UI, and hooks for customer domain management. Leveraged React's built-in features like component composition and state management for creating reusable UI components and managing complex application logic.
- Used React for the development of website onboarding flow along with Redux, React events, and libraries like React Autocomplete, classnames. Implemented form validation using React's built-in form handling capabilities and controlled components for seamless data management and error handling.
- Streamlined development cycles while ensuring uniformity through incorporation of dashboard and onboarding components into the company's React library.
- Enabled efficient data retrieval and storage through communication links between website builder tool and CouchDB by incorporating RESTful APIs into Node.js backend.
- Developed APIs to save user preferences and settings to the database, enhancing user experience by providing personalized website building options and configurations.
- Implemented GraphQL APIs to enhance data retrieval and management, facilitating more efficient communication between the frontend and backend systems of the Website Builder tool.
- Utilized Node.js client SDKs such as MinIO to efficiently store and retrieve objects from AWS S3.
- Implemented trial login and signup authentication flow using AWS Lambda, API Gateway, AWS CodePipeline, and Serverless Deployment methodologies.
- Utilized Node.js and Axios to seamlessly integrate external APIs like OpenAI, thereby incorporating advanced AI technology into the website builder platform.
- Reduced regression risks while maintaining code quality with extensive test coverage throughout development cycle using Jest and React Testing Library.
- Implemented CI/CD pipelines using GitLab Actions to automate testing, building, and deploying processes.
- Elevated user experience and satisfaction by addressing client concerns in partnership with QA and Support team.
- Improved customer onboarding by 40% by integrating AI into product to assist users in creation of static websites based on prompt-triggered inputs.
- Led successful migration of 50K+ domains from acquired company to website builder platform within specified timeframe.
- Boosted system efficiency and expandability by coordinating migration of 500K+ domains to new data structure.
- Enhanced user engagement in form of increasing websites publishing by 50% by developing user-friendly features in coordination with development team.

Pramati Technologies, Hyderabad, India   March 2015 — Feb 2019
Senior Development Engineer

Developed application creating platform (WaveMaker RAD Studio) and user interfaces utilizing Angular, HTML5, CSS3, jQuery, JavaScript. and Bootstrap frameworks. Designed and updated reusable data table widgets, modules, and core components including grids, tabs, accordions, and forms for product. Supported migration from Angular 1.x to Angular 2.x through refactoring codes, updating dependencies, and fixing compatibility problems. Led diverse teams in new features development including ideation, creation, and implementation. Managed projects and administered reports using JIRA and Confluence. Contributed to product planning and strategy building via Scrum meetings, sprint planning, and retrospectives.

Project: WaveMaker: http://www.wavemaker.com/

WaveMaker Platform combines rapid application Development (RAD) with PAAS (Platform As A Service) for customers wanting speedy creation of custom Apps that are browser delivered (responsive web) or device installed (hybrid mobile apps).

- Developed RAD studio editor with Angular, featuring drag-and-drop functionality for widget integration.
- Improved user control and flexibility by developing dynamic properties panel within Angular to enable real-time customization of widget appearance through two-way data binding.
- Refactored AngularJS components to Angular 2+ for improved performance, modular architecture, TypeScript support, enhanced dependency injection and component-based architecture.
- Sustained code integrity and automation by establishing best practices and standardizing procedures.
- Designed and executed GitLab CI/CD workflows to automate build, test, and deployment processes, ensuring seamless delivery of WaveMaker Platform updates.
- Won Young Achiever Award 2016 for development of critical components (Form and Table) of product, WaveMaker.
- Achieved a 60% reduction in build time and accelerated deployment by implementing advanced optimization techniques within webpack.

MAQ Software, Hyderabad, India   May 2013 — Feb 2015
Software Engineer

Administered detailed reports and dashboards with graphic user interfaces. Utilized HTML5, CSS3 and JavaScript frameworks to develop and implement UI components and features. Directed Business Intelligence (BI) reporting initiatives using Excel Power Pivot and crafting SQL reporting queries. Assisted front-end operations by designing server-side solutions with ASP.NET, web services, Microsoft SQL Server, SQL queries, and stored procedures.

- Developed consolidated reporting platforms and analytic solutions on jQuery and SharePoint 2010
- Enhanced integration and data retrieval for reporting and analytics by leveraging SharePoint Client-Side Object Model (CSOM) to extract content from SharePoint lists.
- Developed SQL reporting queries to extract relevant data from databases and cubes, facilitating accurate and timely reporting for clients.
- Recognized for exceptional performance with two Spot Awards, highlighting consistent dedication and outstanding contributions.
- Received positive feedback from end users and onsite contacts, underscoring the effectiveness of delivered solutions in meeting client objectives.

Education

B. Tech in Computer Science and Engineering   June 2009 — April 2013
Visvesvaraya National Institute of Technology, Nagpur, India

Certifications

- AWS Certified Solutions Architect – Associate
- Programming in HTML5 with JavaScript and CSS3 (70-480)
- Querying Microsoft SQL Server 2012 (70-461)
- Administering Microsoft SQL Server 2012 Databases (70-462)
- Implementing a Data Warehouse with Microsoft SQL Server 2012 (70-463)
- Implementing Data Models and Reports with Microsoft SQL Server 2012 (70-466)