

Abhilash Reddy Sandi

Senior Software Engineer

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Senior Software Engineer with 13 years of experience leading cross-functional teams to build and deliver full-stack web applications for diverse markets. Specializes in React/Next.js and Node.js development, owning projects end-to-end across front-end and back-end. Experienced in RESTful API design, microservices, and cloud-based deployments, with deep proficiency in Agile methodologies. Drives adoption of AI-assisted development workflows (Claude Code, Cursor) to accelerate delivery and improve code quality. Skilled at mentoring junior developers and leading teams to successful project completion.

Technical Proficiencies

Programming Languages:	JavaScript (ES6+), TypeScript, Node.js
UI Frameworks:	React, Angular, AngularJS, Next.js, jQuery
CSS Frameworks:	Tailwind CSS, Bootstrap, Material UI
Markup Languages:	HTML5, XML, JSX
State Management Libraries:	Redux, React Hooks, React Context, Zustand
Database & ORM:	MongoDB, MySQL, PostgreSQL, Couch DB, SQL Server, Prisma
Libraries:	GraphQL, graphql-tools, Axios, React Query, React Hook Form, Lodash, D3.js, Chart.js, Express.js, MSW (Mock Service Worker), InversifyJS
Testing Frameworks:	Jest, React Testing Library, Mocha, Chai, Selenium, TestCafe, Cucumber, Playwright, MSWJS
Version Control Systems:	Git, GitHub, GitLab
CI/CD & DevOps:	Jenkins, Concord, ChatOps, Looper, GitLab Actions, Postman, Expos, LaunchDarkly
Monitoring & Logging:	Grafana, Splunk, OpenObserve, New Relic, OpenTelemetry, Pino
Collaboration Tools:	JIRA, Confluence, Slack, Figma
Containers & Cloud:	Docker, Kubernetes, AWS, Azure, Heroku, Judoscale
Messaging & Queues:	RabbitMQ, CloudAMQP
Monorepo & Component Tooling:	Nx, Storybook
Integrations:	Salesforce
AI-Assisted Development:	Claude Code, Cursor, GitHub Copilot, MCP Servers, BMAD

Career Experience

Goosehead Insurance, Westlake, TX Senior Software Engineer

Oct 2025 — Present

Full-stack engineer on Goosehead Insurance's agent and customer portals for home and auto insurance quote-to-bind workflows, working across a Node.js/Express backend (InversifyJS) with a configuration-based carrier system, and a React/Next.js frontend in an Nx monorepo. Drove adoption of an AI-assisted development workflow built around Claude Code and Cursor.

Project: Goosehead Insurance Quoting Platform: <https://quote.goosehead.com/>

- Designed and delivered an end-to-end integration for a carrier with no public API — only portal access, a first for the platform — building the quoting UI and a RabbitMQ-based Playwright automation worker that logs into the carrier's portal to fetch quotes and complete policy binding, with dead-letter handling, PostgreSQL status tracking, and Heroku/Judoscale autoscaling; delivered in 3 months, half the typical ~6-month carrier-onboarding timeline.
- Played a key role in a full UI rewrite of the customer-facing quoting site, cutting coverage-step drop-off from 70% to 40% and lifting customer engagement 50%, rolled out via LaunchDarkly feature flags.

- Extended an existing carrier's quoting configuration to new states, adding backend and frontend config mappings for both agent and customer portals.
- Extracted the shared UI component library from the monorepo and published it as a standalone GitLab package for reuse across other company projects.
- Built white-labeled partner experiences (e.g., mortgage partners) with custom branding and theming, letting partners share links for their customers to quote and buy insurance.
- Replaced a legacy Winston/Papertrail/Heroku logging pipeline with New Relic and OpenTelemetry traces, spans, and metrics; new error and p95-latency dashboards are now used daily by the production support team, improving SLA adherence.
- Built the backend carrier-configuration system (Node.js, Express, InversifyJS) that defines each carrier's questions/pages once with client-portal overrides, and the React/Next.js components that render those configs so new carriers ship by extending config, not rebuilding UI.
- Worked in an Nx monorepo spanning the agent and customer portals and shared UI library, using Storybook to document reusable components.
- Used Prisma with PostgreSQL for data modeling and Salesforce for downstream data sync.
- Standardized AI-assisted development across the team — authored Cursor rules and CLAUDE.md for consistent AI-generated code, custom Claude Code skills for code review and PR automation, and BMAD for structured AI-assisted planning through implementation — lifting engineering efficiency by roughly 70%.
- Connected the AI workflow to GitLab, New Relic, LaunchDarkly, Atlassian, OpenObserve, and Figma via MCP servers and CLIs (plus Playwright and Heroku CLIs), using skills like prisma-postgres, vercel-react-best-practices, superpowers, context7, and find-skills to keep output current and token-efficient.

Caspex Corp (Client: Walmart), Remote - Dallas, TX **Full Stack UI React Developer (Contract)**

Jun 2024 — Sep 2025

Full-stack engineer on the International Search team (CA & MX) for Walmart's e-commerce platform, serving millions of daily shoppers. Led the phased migration of the Canada and Mexico search codebases into a unified US platform, and built React/TypeScript frontend features alongside Node.js/GraphQL backend services for search, coupons, and subscriptions.

Project: Walmart Canada & Mexico: <https://www.walmart.ca/en> & <https://www.walmart.com.mx/>

- Led the migration of Canada and Mexico search codebases into a unified US search platform serving millions of daily Walmart shoppers — delivered in phases over 6 months with no disruption to live traffic.
- Designed and developed React + TypeScript components for search pages, including coupon modules, subscription flows, and localized search experiences across CA/MX/US markets.
- Built and maintained Node.js + GraphQL service layers using graphql-tools to integrate upstream and downstream APIs, with persisted queries and CCM flags for market-specific functionality.
- Implemented state management with React Context and Hooks, and optimized data fetching and caching with React Query.
- Drove test automation with Jest, TestCafe, Cucumber, and Postman, establishing an automated sign-off gate before deployment that cut down manual QA time.
- Rolled out features gradually using CCM and Expos for market-specific and soft launches, backed by feature flags and A/B testing to validate engagement before global rollout.
- Leveraged GitHub Copilot Chat and Agent to boost development efficiency and accelerate iteration cycles.
- Participated in on-call PE rotations, monitoring deployments and performance via Grafana, Splunk, and OpenObserve, and troubleshooting incidents to maintain uptime.
- Performed front-end and service deployments using OneOps, ChatOps, Concord, and Looper (Jenkins), integrating test results with JIRA and Slack for cross-team visibility.
- Collaborated with Product Managers, QA, and downstream service owners during requirement discovery to define feature scope, integration points, and success metrics.

TGS Technology LLC (Client: Leading Bank USA), Columbus, OH **UI React Developer (Contract)**

Apr 2024 — Jun 2024

Sole front-end engineer (partnered with 2 backend engineers) on a greenfield Absence Management Web Application for a leading U.S. bank, taking it from zero to a WCAG 2.1 AA-compliant production app in 2 months. Established the project's folder structure, coding standards, and testing patterns from scratch while building core features with modern React tooling.

- Built a greenfield Absence Management application from the ground up as the sole UI engineer (partnered with 2 backend engineers) — establishing folder structure, coding standards, and reusable patterns from day one.
- Designed and implemented React + TypeScript components for core features (absence tracking, editable data grids, approval flows) plus custom UI (accordions, AG Grid filters, dialogs, validation-driven forms) built on the bank's internal design system, contributing fixes back upstream.
- Established state management with React Context and Zustand, and integrated backend services using React Query and Axios for data fetching, caching, retries, and refetching.
- Optimized AG Grid performance using stable row identifiers and efficient rendering strategies, and built reusable custom hooks (useDebounce, useInterval) to improve responsiveness.
- Implemented React Hook Form with schema-based validation across grids and forms for robust form state management and error handling.
- Set up testing from scratch using MSW to mock backend APIs and React Testing Library for unit/component tests, enabling independent frontend development.
- Applied accessibility guidelines throughout, achieving WCAG 2.1 AA compliance approved by the bank's accessibility team, while collaborating closely with design to refine user flows.

One.com, Dubai, UAE **Team Lead**

Mar 2019 — Feb 2024

Team Lead overseeing cross-functional development of Website Builder, a no-code site-building tool. Led technical planning, estimation, and code reviews, and mentored the team while partnering with Product and QA on feature strategy and sprint retrospectives.

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.

- Built and maintained the core Website Builder UI and backend APIs (RESTful and GraphQL) in Node.js against CouchDB, using React, TypeScript, Redux, and Context API — consolidating shared components into the company's internal React library.
- Implemented AWS-based infrastructure: object storage via MinIO/S3, and a trial login/signup flow built on Lambda, API Gateway, and CodePipeline for serverless deployment.
- Integrated OpenAI into the platform to power a prompt-based static site generator, contributing to a 40% improvement in customer onboarding.
- Supported migration of 50K+ domains from acquired company to website builder platform within specified timeframe.
- Led planning and cross-team coordination for a migration of 500K+ domains to a new data structure, improving system efficiency and expandability.
- Increased website publishing by 50% by developing user-focused features in collaboration with the development team.
- Established test coverage with Jest and React Testing Library, and built CI/CD pipelines with GitLab Actions to automate testing, build, and deployment.
- Monitored user behavior with Mixpanel event tracking and analyzed usage reports to inform product and feature decisions.

Pramati Technologies, Hyderabad, India

Senior Development Engineer

Mar 2015 — Feb 2019

Senior Development Engineer on WaveMaker RAD Studio, a low-code app-building platform, using Angular, HTML5, CSS3, jQuery, and Bootstrap. Led feature ideation and delivery across diverse teams, managing projects and sprint planning via JIRA, Confluence, and Scrum ceremonies.

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.
- Designed and maintained reusable data table widgets and core UI modules — grids, tabs, accordions, and forms — powering the WaveMaker product.
- 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

Software Engineer

May 2013 — Feb 2015

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, using the SharePoint Client-Side Object Model (CSOM) to extract and integrate content from SharePoint lists.
- Developed SQL reporting queries to extract relevant data from databases and cubes, facilitating accurate and timely reporting for clients.
- Recognized with two Spot Awards for consistent performance, and received positive feedback from end users and onsite contacts for solutions delivered.

Education

B. Tech in Computer Science and Engineering
Visvesvaraya National Institute of Technology, Nagpur, India

Jun 2009 — Apr 2013

Certifications

- AWS Certified Solutions Architect – Associate