

# Christopher Karkut

Full Stack Developer | Typescript | Node | React

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[Portfolio](#)

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## Full Stack Developer

The Flood Team & Disaster Logic | 02/2022 – Present

### Professional Accomplishments

- Built, shipped, and maintained full-stack production features supporting contractors, administrators, and internal operations.
- Designed and implemented secure APIs using Next.js, enforcing authentication, authorization, and role-based access control.
- Streamlined job submission and intake workflows, accelerating insurance claim resolution and reducing manual processing.
- Developed a dynamic, step-driven job timeline that increased job completion rates and reduced workflow errors.
- Re-architected applications from single-tenant to multi-tenant SaaS architecture, enabling scalable onboarding of multiple clients.
- Migrated legacy Stencil.js applications to React, modernizing UI architecture and reducing technical debt.
- Implemented server-side rendering (SSR) and frontend performance optimizations to improve load times, security and reliability.

### Systems, Architecture & Engineering

- Designed and built a custom in-house scheduling system with priority ranking to optimize workforce allocation.
- Implemented TypeScript typings, enums, and strict type safety, improving maintainability and reducing runtime errors.
- Introduced centralized state management to synchronize database and client updates across applications.
- Architected backend services using Node.js and Express, building scalable REST APIs, middleware, and authentication layers to support production workloads.
- Built and maintained CI/CD pipelines, enabling rapid iteration with minimal production downtime.
- Designed scalable backend workflows to support high-volume operational and transactional data.

### Payments, Communications & Automation

- Integrated Stripe for subscriptions, payments, and user interface for automatic payout generation.
- Implemented Twilio for call recording, automated SMS messaging, and call forwarding.
- Built a SendGrid-based email automation system with custom triggers for transactional and operational messaging.
- Automated cross-service notifications and workflows to reduce manual intervention and operational overhead.

### Education & Certifications

- Texas McCombs — Professional Certificate, Full Stack Software Development (MERN)
- freeCodeCamp — Responsive Web Design; JavaScript Algorithms & Data Structures
- Advanced Full Stack Training (Mentored Program)