

Vincent Congini

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Senior Front End Tech Lead | Full-Stack TypeScript & AI Product Engineering

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Location Greater Boston, United States

Senior engineer focused on modern React platforms, delivery reliability, and AI-assisted product development. Experienced across front-end architecture, CI/CD, testing strategy, SaaS monetization, LLM workflows, and developer enablement.

FEATURED PROJECT

My Four Sous Chefs

<https://myfoursouschefs.com/>

AI recipe SaaS

- Built a full-stack TypeScript app that turns fridge, pantry, and shopping-list photos into personalized recipes and meal plans.
- Implemented an image-to-ingredients pipeline with HEIC conversion, Sharp preprocessing, Tesseract OCR, Claude vision, structured JSON parsing, and bounding-box normalization.
- Designed monetization and account flows using Supabase Auth/Postgres, saved recipes, Stripe Checkout, Billing Portal, webhooks, and premium feature gates.
- Added production controls for AI cost and abuse: Cloudflare Turnstile, identity-aware rate limits, daily quotas, token-budget tracking, atomic Supabase RPC reservations, and rollback on failed requests.

PROJECT STACK

TypeScript, React 19, Vite, Express, Supabase, PostgreSQL, Stripe, Anthropic Claude, Sharp, Tesseract OCR, Cloudflare Turnstile, Pino, Umami, Vitest, Playwright, pnpm workspaces

EXPERIENCE

Senior Front End Tech Lead

The Access Group (Paytronix Systems)

01/2023 - Present

Newton, MA

- Serve as front-end technical owner for shared UI architecture, aligning teams around maintainable React patterns, platform standards, and delivery practices.
- Led extraction of front-end applications from a legacy monorepo into Azure DevOps, improving deployment velocity and enabling clearer team ownership.
- Designed CI/CD pipelines for React SPAs with automated testing and continuous deployment.
- Championed AI-assisted development with Claude, ChatGPT, and Devin to accelerate refactors, improve code quality, and reduce repetitive engineering work.
- Established front-end standards, testing practices, and mentoring patterns across teams; recipient of the 2024 RARE Award.

Front End Software Developer

Paytronix Systems

07/2019 - 01/2023

Newton, MA

- Built and maintained React applications using Redux, Redux-Logic, Sass/CSS, and shared component patterns.
- Modernized and supported legacy systems spanning React, Lift, JSP, Webpack, Jest, and Yarn workspaces.
- Improved build and test infrastructure to support faster feedback loops and more reliable deployments.

Quality Assurance Automation Engineer

Paytronix Systems

05/2016 - 07/2019

Newton, MA

- Maintained REST and Selenium-based automation frameworks, including scalable UI test solutions using RedwoodHQ.
- Developed shared mobile testing frameworks and automation practices for QA teams.

Senior Software Quality Analyst

Bentley Systems

05/2007 - 05/2016

Mira Mesa, CA

- Led functional, integration, and regression testing across product suites; awarded Bentley Star Award three times for performance excellence.

CORE SKILLS

FULL STACK

TypeScript, JavaScript, React, Vite, Node.js, Express, REST APIs, Sass/CSS, SPA architecture

AI PRODUCT

Anthropic Claude, LLM APIs, AI vision workflows, prompt design, structured JSON extraction, OCR, image preprocessing

DATA & BILLING

Supabase Auth, PostgreSQL, RLS, RPCs, Stripe Checkout, Billing Portal, webhooks, usage metering

QUALITY & PLATFORM

Vitest, Jest, Playwright, React Testing Library, Selenium, CI/CD pipelines, Azure DevOps, pnpm workspaces, Pino, Umami

LEGACY CONTEXT

Redux, React Router, Material UI, Bootstrap, Webpack, Yarn, Maven, WildFly, C#, Scala, RedwoodHQ

EDUCATION

Bachelor of Science in CS

DeVry University
2005 - 2010

C# Programming Certification

University of California San Diego
2005 - 2010

FOCUS AREAS

AI-assisted software development

Developer productivity, CI/CD reliability, data visualization, UI performance, automation, UX design