

Dominic Clerici

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EDUCATION

Luddy School of Informatics, Indiana University

Bachelor of Science in Computer Science

Bloomington, IN

Aug. 2022 – May 2026

EXPERIENCE

Full-Stack Engineer

Rumor

August 2025 – Present

New York, NY

- Built a real-time email analytics service processing 100k+ monthly emails, delivering live delivery metrics, open rates, and engagement tracking to event organizers across the platform
- Drove performance optimizations across the full stack — reduced average API response times by 22%, optimized React Native component rendering performance, and improved Next.js page load times through code splitting and UI streaming
- Shipped features and resolved issues across a microservice backend, Next.js web app, analytics services, and React Native mobile app serving a platform with 30k+ users on its invite waitlist

Founding Engineer

Squib

December 2024 – March 2026

Bloomington, IN - NYC

- Built an AI-powered social media automation platform from initial commit to production using Next.js, TypeScript, and PostgreSQL, deploying AI personas that create content in a client's voice across multiple platforms
- Designed and implemented a custom AI agent framework from scratch, replacing an open-source solution to enable autonomous multi-channel engagement, trend analysis, and content generation with approval workflows
- Led a full frontend and backend overhaul while maintaining uptime for paying customers, eliminating months of technical debt during an intensive summer development sprint in NYC
- Architected multi-tenant infrastructure with client onboarding pipelines, OAuth integrations, and per-client analytics dashboards

Full-Stack Engineer

Artesian Builds

May 2021 – March 2022

Oakland, CA

- Led a complete website overhaul using WordPress and Elementor, resulting in improved SEO, increased customer engagement, and a 40% average decrease in page load times
- Developed an internal tooling using Python and PostgreSQL to track Twitch.tv content creator metrics in real time, enabling data-driven prospecting and a 32% increase in affiliate recruitment

PROJECTS

Fuzzbox | *Next.js 16, Expo 55, tRPC, Supabase, TypeScript*

- Built a chord analysis engine in pure TypeScript that tests pitch classes against 43 chord templates, handles enharmonic ambiguity and edge cases like diminished symmetry and Hendrix 7#9 voicings, and returns ranked interpretations in real time
- Architected a pnpm monorepo with end-to-end type safety from Drizzle ORM through tRPC to TanStack Query, shared across a Next.js web app and Expo mobile app with PostgreSQL via Supabase

Meridian | *Vanilla TypeScript, Chrome Extension APIs, IndexedDB*

- Built a Chrome extension new tab dashboard with 11 feature modules in vanilla TypeScript with zero npm dependencies — including a custom drag-and-drop system, fully client-side gaussian heatmap recommendation engine, reactive storage layer, and full UI component library

Dispatch | *Astro 6, Claude API, GitHub Actions, Supabase*

- Built a six-stage AI content pipeline including deep topic research, long-form drafting, self-editing review, and multi-source image selection across multiple sources

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Swift, SQL (PostgreSQL), C, C++, Java, HolyC

Frameworks & Tools: React, Node.js, Next.js, Express, Git, Electron, Docker, NGINX, Astro, React Native

Concepts: RESTful APIs, Database Design, Algorithms, Data Structures, Test-Driven Development, Scalable Services

Additional Skills: Problem Solving, Technical Documentation, Team Collaboration, Agile Development

Other Interests: Hiking, Guitar, Running, VAG cars (specifically 2016 GTI), Rocket League