

NICK CALDERONE

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WORK EXPERIENCE - Full Stack Application Engineer

US Small Business Administration | Full-Stack Engineer (Contractor), May 2024 - Present

- Architected and built a production-grade business search platform using React/TypeScript on the frontend and a scalable Node.js backend, serving 3M+ records with real-time indexing and updates
- Designed service boundaries, data access layers, and API contracts to support scalable search with filtering, sorting, and responsive, WCAG-compliant UI patterns
- Optimized query performance and indexing pipeline, reducing search response times by 70%+ while maintaining reliability at scale
- Contributed to CI/CD workflows and supported production deployments, ensuring system reliability and observability

Town of Cary, NC | Front-End Engineer (Contractor), June 2023 - April 2024

- Led web development of a citizen-facing 311 non-emergency reporting platform prototype using Node and React, featuring dynamic multi-step forms and seamless mobile integration
- Collaborated closely with product and UX partners to shape requirements and translate them into production-ready technical solutions

Pitkin County | Web Application Developer (Contractor), Jan 2019 - November 2024

- Led architecture and development of a high-traffic public health platform supporting 100,000+ monthly users, with reusable component systems enabling rapid stakeholder-driven content updates
- Built scalable frontend templates and design system components balancing long-term maintainability with speed of delivery
- Mentored junior contributors through technical guidance, documentation, and code standards

Other Projects

- Built *grant-match-agent*, a Next.js + TypeScript app ingesting live Grants.gov data, scoring opportunities against organizational profiles, and surfacing deadline-aware matches via a dashboard and API
- Developed an accessible, bilingual municipal website enabling residents to report service outages and access broadband resources, built to WCAG 2.1 and Title II ADA compliance standards
- Refactored legacy codebases across multiple municipal platforms to meet Title II ADA requirements

Skills

React • TypeScript • Node.js • Next.js • Nuxt • Vue • NestJS • Python • REST APIs • Sequelize (ORM) • Docker • Express • MeiliSearch • TanStack (Table/Query) • Component Libraries/Design Systems • Styled Components • SASS/SCSS • Git • Figma • CI/CD • HTML • CSS • WCAG/ADA

Education

MICHIGAN STATE UNIVERSITY - B.S. Horticulture

Awards

[2021 GovX Experience Awards - Overall County Government Experience Finalist](#) for the Pitkin County COVID-19 Response & Recovery website