

BONNY MAKANIANKHONDO

Full Stack Software Developer

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SUMMARY

I am a Full Stack Software Developer driven by a history of systems improvement and real-world problem-solving. My background in electrical and insulation environments taught me to prioritize efficiency precise measurement and safety the same disciplined approach I bring to software today. I focus on building scalable intuitive applications integrating AI driven insights and strengthening data workflows for both internal teams and enterprise partners. For me every project is about creating reliable solutions that are grounded in tangible business needs.

WORK EXPERIENCE

Full Stack Software Developer Intern, i.c Stars Chicago Aug 2025 – Present

Summary: As an intern, I design and build full-stack applications, integrate complex AI systems, and contribute across the entire development lifecycle. My primary focus is on solving real business problems through scalable engineering and data-driven decision-making for enterprise partners.

- **Winning RFP Solution** (United Airlines – Dashboard): Directed the full-stack delivery of the **customer insight platform** chosen by **United Airlines**, serving executives and analysts. (**Technical Leadership, Business & Product Thinking**)
- **AI/LLM Integration:** Built the "Sparky" AI layer end-to-end, leveraging the **Anthropic Claude API** for executive-safe language and analyst-focused pipelines for structured recommendations.
- **Executive Dashboard Development:** Created the dashboard with hub/time/tier filters, KPI tiles, loyalty/route spotlights, and trending-issue surfacing, **utilizing Power BI and Azure Cognitive Services**.
- **Security & Architecture:** Implemented role-based access control (RBAC) with persistent sessions and custom-role permissions, ensuring isolated, protected routes for executive, admin, and analyst personas. (**Strategic Systems Thinking**)

Entrepreneurial Project: Chef BonBon *Independent Development*

Jul 2025

Independently developed and built a complex full-stack web application that uses AI to generate personalized recipes, requiring **persistence** to integrate external services and ensure data accuracy.

- Built a full-stack AI recipe generator, **taking ownership of design, development, and integration with multiple external APIs**.
- **Migrated the entire platform from Firebase to Supabase/PostgreSQL**, showing adaptability and strong architectural thinking.
- Designed a **responsive, mobile-first interface using React and Tailwind CSS** with a focus on clarity and user experience.

WORK EXPERIENCE

Entrepreneurial Project: SyncUp *Independent Development* Sep 2025 – Present

Lead Full Stack Developer driving the design, architecture, and ongoing development of a collaboration and mentorship platform, taking initiative and guiding the product's technical direction.

- Architected the platform's **full-stack foundation using React, Node, and Supabase** while maintaining clean structure and scalable patterns.
- Designing intuitive user flows and UI with a **focus on accessibility and simplicity**, actively incorporating peer feedback to improve usability.
- **Building authentication, role management, and collaboration features** end-to-end, demonstrating persistence, ownership, and problem-solving across complex tasks.

Other Relevant History

- **Heat & Frost Insulator**, Union Local 75 | Jan 2018 – Jan 2023
- **Electrical Technician**, Alexander Dennis Inc. | Jan 2017 – Jan 2019

EDUCATION AND TRAINING

Technology, Business & Leadership Development Program

- i.c Stars

A.A.S. in Construction Management

- Ivy Tech Community College

Technical Skills

JavaScript (ES6+), React & React Router, Node.js & Express, Tailwind CSS, SQL & PostgreSQL, REST API Development, Data Visualization, Authentication & RBAC, AI Integration, Git & Version Control

ADDITIONAL INFORMATION

Certifications:

- Front End Development Libraries
- JavaScript : DSA
- Responsive Web Design