

Souleman Sow

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Education

Binghamton University, SUNY <i>Bachelor of Science in Computer Science</i>	Expected May 2030 <i>Binghamton, NY</i>
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Technical Skills

Languages: Python, Java, TypeScript, JavaScript, SQL
Frameworks & Libraries: React, Next.js, Tailwind CSS, OpenCV
Databases & Backend: PostgreSQL, Supabase, Node.js, REST APIs, WebSockets
Developer Tools: Git, GitHub, Vercel, Bun, Playwright, D3.js

Experience

Software Developer <i>JBI Software, INC</i>	Jun 2025 – Present <i>New York, NY (Hybrid)</i>
- Developed and deployed production web applications using Next.js, TypeScript, Tailwind CSS, PostgreSQL, and Vercel. - Built reusable frontend components, responsive interfaces, and database-backed features from client and designer requirements. - Diagnosed production issues, maintained deployments, and improved application usability and performance across desktop and mobile devices.	
Full-Stack Developer <i>Shaw and Barrie</i>	Jun 2026 – Present <i>New York, NY (Hybrid)</i>
- Designed and developed a full-stack business platform for managing customers, inventory, invoices, payments, and company records. - Implemented persistent PostgreSQL storage, PDF invoice generation, email delivery, and SMS notifications using Supabase, Resend, and Twilio. - Deployed the platform and company website on Vercel and configured the production domain, authentication, DNS, and business email infrastructure.	

Projects

Velo – NYC Cycling Safety Navigator <i>Next.js, TypeScript, Mapbox GL JS, Claude API, Python, GitHub</i>	2026
- Built a cycling route planner that compares Mapbox route alternatives against a spatial risk grid generated from NYC crash, crime, road, and bike-infrastructure data. - Designed a weighted scoring algorithm that produces 0–100 route-risk scores, block-level safety segments, and AI-generated safety recommendations.	
ClaimLess – AI Medical-Bill Advocate <i>Next.js, TypeScript, Twilio, WebSockets, GitHub</i>	2026
- Built an AI medical-bill advocate that analyzes itemized bills, flags questionable charges, and creates patient-approved negotiation plans. - Integrated Twilio ConversationRelay and WebSockets to place calls and stream transcripts, offers, and outcomes to the user in real time.	
HomeSwipe Agent – AI-Assisted Apartment Search Platform <i>Next.js, TypeScript, ClickHouse, GitHub</i>	May 2026
- Built an AI apartment-search agent that extracts structured listing data, scores properties against renter preferences, and identifies potential listing risks. - Developed a swipe-based recommendation interface and logged agent decisions and user feedback to ClickHouse for analysis.	
SwipeHire – AI-Assisted Job Application Platform <i>Next.js, TypeScript, Python, Playwright, GitHub</i>	Oct 2025
- Won 2nd Place at the AI Tinkerers NYC Hackathon for building an AI-assisted job application platform. - Built resume analysis, personalized response generation, multilingual support, and user-approved Playwright browser automation.	
Hackathon Awards	
vibeFORWARD: M2—Agents (Jun 2026) — Winner, Best Use of Trupeer — <i>RingSight</i> .	EAZO Global Hackathon 2026 — NYC (May 2026) — Top Ten Regional Winner.
DayDreamers x MentorMates AI Business Hackathon (May 2026) — Winner, Most Shippable — <i>RentOS</i> .	tokens& Datadog Agentic Engineering Hack (May 2026) — Winner — <i>HomeSwipe Agent</i> .
Hack with MLH and DigitalOcean: NYC (Dec 2025) — Winner, Best Large Laughs Model Award — <i>Swipe-a-Food</i> .	Daytona HackSprint (NYC) (Nov 2025) — Winner, Best Use of CodeRabbit — <i>AUTO-OPS</i> .
AI Tinkerers NYC Hackathon (Oct 2025) — 2nd Place — <i>SwipeHire</i> .	Adaptation & Resilience / NYC Climate Hackathon (Sep 2025) — Winner, Track 3 — <i>MetroFlood</i> .
HackForge (2025) — Honorable Mention — <i>SafeWalk (SafeRoute-BX)</i> .	AmpliCode Hackathon 2025 (May 2025) — Overall 2nd Place — <i>SafeWalk</i> .
HackNYU 2025 (Feb 2025) — Best High School Hack — <i>TrueSight</i> .	Nosu AI Hackathon (Jan 2025) — Winner — <i>Rotcipe</i> .
ConTech Alliance Hackathon (Jan 2025) — 1st Place, Riskcast Challenge — <i>Hive</i> .	NYC ElevenLabs x n8n Hackathon (NYC) — Prize Winner, n8n Prize.
MiniMedi 2024 (MediHacks) — Honorable Mention — <i>AidNet</i> .	EduSands Hacks (2024) — Winner, Top 600 / Prize — <i>FitTrackr</i> .