

JOHN O. BELL

Coral Springs, FL • 954-544-1305 • Johnoverton743@gmail.com

[LinkedIn](#) | [Upwork](#) | [GitHub](#) | [Personal Site](#)

FULL-STACK ENGINEER

Full-stack engineer building **modern web applications backed by agentic, data-driven systems**. I design and deploy end-to-end platforms that ingest unstructured data, perform autonomous research and enrichment, and expose results through responsive user-facing applications and APIs.

I integrate agentic engineering patterns into both my development workflow and the systems I build, including agent skills, context management, MCP servers, workflow orchestration, and subagents.

I also bring experience aligning software with digital marketing and analytics systems, ensuring products are measurable, instrumented, and optimized for real-world performance.

Technical Skills

Languages

TypeScript, Python (async, concurrent systems), SQL, JavaScript (ES6+), HTML5, CSS3

Web Development

React, Next.js, Remix, Tailwind CSS, Zustand, Vite, Shopify (Theme extensions, Apps, Integrations)

Backend & APIs

Node.js (Express), FastAPI, Flask, GraphQL, REST APIs, event-driven architectures

Data & Storage

PostgreSQL, MongoDB, Prisma, SQLAlchemy, vector databases

AI & Agent Systems

LangChain, LlamaIndex, OpenAI API, Retrieval-Augmented Generation (RAG), Model Context Protocol (MCP), agent-based systems, workflow orchestration (Temporal)

Data Science & Analytics

Pandas, NumPy, scikit-learn, Matplotlib, Tableau

Cloud & Infrastructure

AWS (ECS, Lambda, Bedrock), Vercel (AI SDK, serverless deployments), Docker, infrastructure-as-code (CDK)

Automation & Tooling

Git/GitHub, Playwright, Selenium, Beautiful Soup, Zapier, Make, n8n

Product & Design

Figma, Canva, Excel / Google Sheets (advanced)

Selected Projects

Biotech Research Platform (Ingestion + Knowledge Graph)

- Multi-agent ingestion and research backend (Langchain, OpenAI, FastAPI, Temporal):
<https://github.com/Overton77/biotech-research-ingestion>
 - Knowledge graph + structured data layer (Neo4j GraphQL):
<https://github.com/Overton77/biotech-kq>
 - Research web client (Next.js):
<https://github.com/Overton77/biotech-research-web>
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AI Engineer Explorer (Live Application)

- Live application:
<https://ai-engineer-worldsfair-webapp.vercel.app/>
- Frontend (Next.js exploration client):
<https://github.com/Overton77/ai-engineer-worldsfair-webapp>
- Backend ingestion + enrichment pipelines:
<https://github.com/Overton77/ai-engineer-research-ingestion>

GoWipe – E-commerce Website + Analytics Instrumentation

Tech: Shopify, JavaScript, Google Tag Manager, Google Analytics

Built and deployed a Shopify e-commerce site with custom front-end enhancements. Implemented end-to-end conversion tracking by wiring custom Shopify Events through Google tag into Ads and Analytics

Live Site: [Gowipe](#)

PROFESSIONAL EXPERIENCE

GoWipe Co – Web Developer

Jan 2021 – Current

- Built and maintained the Shopify storefront; shipped targeted theme/code customizations to improve UX.
- Authored e-commerce event-tracking and integrated with Google Tag Manager to unify ads/analytics signals.
- Led keyword research and on-page SEO; produced visual assets (Canva) and automated social posting. • Combined AI tooling with human edits to scale content; streamlined multi-app workflows via Zapier.

Tip Top Capital – CRM Specialist / Data Analyst

Apr 2019 – Dec 2021

- Populated and quality-checked Salesforce during rollout (1,500+ contacts) and improved data hygiene.
- Coordinated with marketing on tailored pitches; managed large lead lists.
- Implemented email-response flows and strategy automations with human validation to lift outreach efficiency.

Landtech Data Corporation –CSR / Data Analyst

Oct 2018 – July 2020

- Executed data entry/validation with ~99% accuracy across client records.
- Built Excel macros to automate recurring reports (≈5 hours/week saved).

CERTIFICATIONS

Triple Ten Full-Stack Software Engineer Certificate

Platform: TripleTen | Completed: Dec. 19, 2025 |

TripleTen_ Certificate [Certificate Link](#)

Google Data Analytics Professional Certificate

Platform: Coursera | Completed: Mar. 4, 2024 | [Certificate](#)

