

JOANNA LUNDY

Fort Lauderdale, FL | joannalundy1999@gmail.com | (954) 536-5503 | linkedin.com/in/joannalundy

PROFESSIONAL SUMMARY

AI Engineer with a Master of Science in Artificial Intelligence and hands-on experience designing, developing, deploying, and integrating AI-enabled business applications. Experienced across full-stack development, AI workflow automation, REST API integrations, PostgreSQL data architecture, cloud deployment, operational analytics, and business process automation. Proven ability to translate real-world operational challenges into scalable technical solutions using Next.js, React, TypeScript, JavaScript, Node.js, Python, PostgreSQL, APIs, AI models, and automation tools. Strong background working directly with business stakeholders, analyzing workflows, designing systems, and delivering end-to-end technical solutions from concept through deployment.

EDUCATION

Florida Atlantic University

Master of Science in Artificial Intelligence - GPA: 3.8/4.00
National Science Foundation (NSF) Certificate - Data Science

Boca Raton, FL

July 2026

July 2026

Broward College

Bachelor of Applied Science - Supervision & Management

Fort Lauderdale, FL

December 2022

TECHNICAL SKILLS

Programming: Python, JavaScript, TypeScript, SQL, HTML, CSS

AI & Machine Learning: Generative AI, LLM Integration, AI Agents, Workflow Automation, Prompt Engineering, Machine Learning, Predictive Modeling, Classification, NLP, Multimodal AI

Frontend: React, Next.js, TypeScript, JavaScript, HTML, CSS

Backend & APIs: Node.js, REST APIs, API Integrations, Authentication, Role-Based Access Control, Webhooks

Databases: PostgreSQL, SQL, Relational Data Modeling, Database Design

Automation: AI Workflow Automation, Business Process Automation, Browser Automation, Desktop Automation, Human-in-the-Loop Systems, Workflow Queues

Cloud & DevOps: GitHub, Render, Git, CI/CD, Cron Jobs, Cloud Deployment, Environment Configuration, Application Monitoring

Tools & Technologies: Microsoft 365, QuickBooks Integration Architecture, Tauri, Rust, React, GitHub, Postman

Data: Data Analysis, Data Validation, KPI Reporting, Dashboard Development, ETL/Data Synchronization, Operational Analytics

WORK EXPERIENCE

Stella International | AI Automation Specialist / Software Developer

Contract

June 2026 - Present

- Design and develop Stella OS, a full-stack AI-enabled operations platform using Next.js, React, TypeScript/JavaScript, Node.js, PostgreSQL, REST APIs, GitHub, and Render.
- Translate business requirements into dashboards, databases, workflow tools, AI automations, employee-management systems, financial reporting, scheduling, timekeeping, and operational alerts.
- Architect integrations across payroll/HR, accounting, Microsoft 365/email, workforce productivity, scheduling, and time-and-attendance systems.
- Build AI-assisted workflows for reporting, auditing, data validation, financial processes, employee operations, and repetitive administrative tasks.
- Develop an AI workflow training platform that captures employee task demonstrations and converts them into reusable workflows with human review, validation, approval, and version control.
- Design automation architecture using workflow queues, AI agents, browser/desktop automation, virtual machines, retry logic, execution logs, and centralized PostgreSQL state management.
- Manage cloud deployment, scheduled data synchronization, GitHub source control, troubleshooting, and continuous platform improvements while communicating technical solutions to business leadership.

Greater Fort Lauderdale Alliance | AI Solutions Specialist

Contract

May 2026 - Present

Projects: TechGateway Navigator & TechGateway Smart Map

- Develop and enhance TechGateway Navigator, a digital platform designed to help users discover South Florida technology companies, career opportunities, industries, and regional technology resources.
- Update and rebuild the TechGateway Smart Map, an interactive technology ecosystem map featuring 200+ companies and organizations across the South Florida region.
- Develop interactive company search, filtering, industry categorization, career navigation, company profiles, map interactions, and user-interface functionality to improve how users explore the regional technology ecosystem.
- Research and categorize technology companies based on their industries, services, and current career opportunities to improve platform data accuracy and discovery.
- Maintain and optimize company records, logos, location data, map markers, categories, search functionality, and interactive company information cards.
- Troubleshoot and improve WordPress, Mapplic, JavaScript, JSON, SVG, UI/UX, and data-integration components, resolving platform issues and implementing new functionality.
- Apply AI-assisted development, automation, and data organization techniques to accelerate platform enhancements and improve the accessibility of technology and workforce information.

Mai-Kai Restaurant | Lead Check-In Host / Internal Software Developer

November 2024 - Present

Projects: Hostess Hub, Celebration Log Extension & Reservation System Integration

- Designed and developed a custom Hostess Hub to improve restaurant check-in, seating, server assignments, reservation visibility, guest tracking, and front-of-house operations.
- Built a Chrome extension for celebration and guest-event tracking, enabling staff to capture and manage birthdays, anniversaries, special occasions, guest identifiers, and operational notes across browser sessions.
- Designed an API integration workflow to connect the internal check-in platform with the restaurant's existing reservation system, allowing reservation, guest, table, and status information to flow between systems.
- Developed functionality for walk-ins, guest check-in, table selection, server assignment, reservation cards, room organization, and seating-status management.
- Designed server rotation and table-assignment logic based on room coverage, table ranges, party size, seating rules, and server availability.

- Created automation concepts for reservation note analysis, special-occasion detection, accessibility alerts, guest flags, and automated chit preparation/printing.
- Used hands-on front-of-house experience to identify operational bottlenecks and translate them into practical software features and workflow improvements.

Yes Financial Services | Web Developer Intern

July 2025 - August 2025

- Developed and maintained frontend components using HTML, CSS, and JavaScript, improving application usability and functionality.
- Performed testing, debugging, and troubleshooting to identify technical issues and support reliable web deployments.
- Collaborated on application updates and documented technical changes to support continued development and knowledge transfer.

Broward Health | Medicaid Specialist & Business Specialist

March 2023 - November 2024

- Supported healthcare operations involving Medicaid, billing, eligibility, patient-related documentation, and enterprise systems while maintaining data privacy and regulatory requirements.
- Investigated and resolved cross-system data, documentation, billing, and eligibility discrepancies by analyzing records and collaborating with operational teams.
- Worked with sensitive healthcare information and enterprise systems, following privacy, compliance, documentation, and appropriate escalation procedures.
- Developed firsthand knowledge of healthcare operations, data accuracy, regulatory requirements, and cross-functional problem-solving in a high-volume healthcare environment.

SELECTED TECHNICAL PROJECTS

Lundex AI Voice & Automation Platform

Independent Technical Project

2026

- Designed and developed an AI-powered real estate acquisitions platform that automates outbound seller conversations, lead qualification, transcript analysis, and opportunity routing.
- Integrated Retell AI to support automated voice conversations, seller qualification, callback capture, property-detail extraction, and conversational workflows.
- Built an end-to-end workflow connecting lead intake -> AI call -> transcript -> analysis -> lead classification -> opportunity pipeline.
- Developed automated classification logic to categorize conversations as Potential Lead, Not Interested, or Review Required.
- Implemented safeguards for do-not-call requests, human escalation, and lead suppression.
- Designed the system for future expansion using APIs, AI models, databases, workflow automation, and human-in-the-loop review.

AI-Powered Multilingual Healthcare Check-In System | React, AI/NLP

September 2025 - December 2025

- Led a 4-member development team designing an AI-enabled healthcare check-in application supporting English, Spanish, and Haitian Creole.
- Developed multilingual workflows incorporating natural-language processing and speech-to-text capabilities to improve patient interactions and accessibility.
- Translated healthcare workflow requirements into functional application features while contributing to architecture, frontend development, integration, testing, and deployment.
- Designed the application for accessibility and usability by non-technical healthcare users and patients.

Diabetes Prediction Application | Python, Streamlit, Machine Learning

January 2025 - April 2025

- Developed and deployed a Python-based healthcare application supporting structured patient-data entry and real-time diabetes risk prediction.
- Integrated machine-learning prediction functionality with an accessible Streamlit interface designed for non-technical users.
- Tested and deployed the application as a functional web-based machine-learning tool, demonstrating end-to-end development from model integration through user interface.

Hair Product Recommendation System | Python, Streamlit, scikit-learn

October 2025 - Present

- Engineered and deployed a recommendation application using Python, Streamlit, and scikit-learn to generate personalized product recommendations based on user-provided characteristics and product categories.
- Developed data-processing and recommendation logic and integrated it into an interactive web interface deployed through Streamlit Cloud, demonstrating end-to-end development and deployment.

LEADERSHIP & INVOLVEMENT

National Society of Engineers (NSBE) | Treasurer

January 2025 - Present

- Manage budgeting, financial tracking, and fundraising exceeding \$1,000, supporting engineering-focused student programming and organizational operations.
- Previously served as Parliamentarian, supporting chapter governance and operational procedures.

Women in Engineering and Computer Science (WEICS) | VP of Marketing

March 2025 - May 2025

- Led marketing and communications initiatives supporting engagement and visibility for women pursuing engineering and computer science disciplines.