

Edward Sandler

📍 Brooklyn, NY ✉ ed.sandler@gmail.com ☎ +1 347-834-6370 🌐 edsandler.com 📺 EddieSandler
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Professional Summary

Certified AWS AI Practitioner, AI Automation Engineer and Python RPA Developer with deep expertise in healthcare revenue cycle management, AI agent design, and intelligent automation. Specializes in developing scalable, end-to-end automation using Python, AWS Bedrock, and prompt engineering techniques. Proven track record reducing manual workload, enhancing accuracy, and delivering measurable ROI in high-compliance environments.

Skills

Programming & Development: Python, SQL, JavaScript/TypeScript, HTML/CSS, React, Node.js

AI/ML & NLP: OpenAI API (GPT-4, Whisper), LangChain, LangGraph, Hugging Face Transformers, spaCy, scikit-learn, TensorFlow, Vector Databases (Pinecone), Prompt Engineering

Intelligent Automation & RPA: Selenium, UiPath, OpenRPA, Power Automate, Zapier, Make, Computer Vision (OpenCV, Tesseract OCR), PyAutoGUI

Data & Analytics: pandas, NumPy, Matplotlib, seaborn, SQL Server, PostgreSQL, MongoDB, SQLite, Predictive Analytics

Frameworks & Tools: Streamlit, Flask, FastAPI, Docker, Git/GitHub, CI/CD Pipelines

Cloud & Infrastructure: AWS, (Certified Cloud Practitioner), Microsoft Azure, MLOps Fundamentals

Healthcare IT: EHR Integration (HL7, FHIR), Athenahealth, Revenue Cycle Management, Claims Processing, Compliance Standards

Methodologies: Agile/Scrum, Test-Driven Development (TDD), API Integration, Project Management (PMP)

Experience

DoctorDropt, AI Automation Developer – Revenue Cycle Management (Contract)

New York, NY
Jun 2018 – Present

- Consistently reduce processing time by 30%+ and improve both accuracy and collections through intelligent automation.
- Develop AI agents using low code, no code with large language models to automate claims, patient eligibility checks, payments, and generate appeals.
- Build Python-based RPA solutions with Selenium, OpenCV, and PyAutoGUI that eliminate over 200 hours of manual work each month.
- Design multi-agent workflows using prompt engineering, RAG pipelines, and conversational interfaces integrated with Athenahealth and RCM systems.
- Build, maintain, and interpret predictive analytics dashboards leveraging pandas, NumPy, and Matplotlib that drive data-informed decision-making, contributing to 17% YoY revenue growth.

Narwal AI, Python AI / RPA Developer (Contract)

Remote
Nov 2024 – Sep 2025

- Designed and deployed intelligent RPA workflows automating end-to-end claims submission, eligibility verification, and EFT reconciliation for healthcare revenue cycle operations.
- Implemented computer vision solutions using OpenCV and Tesseract OCR combined with Selenium web automation, reducing processing errors and accelerating cycle times by 35%.

- Developed generative AI applications for automated financial reporting, delivering real-time revenue insights to C-suite executives and enabling faster strategic decisions.
- Collaborated with SMEs and operations leaders to translate business requirements into scalable automation solutions aligned with billing operations and regulatory compliance standards.
- Optimized bot performance through iterative testing and error handling, achieving 98%+ accuracy in automated data extraction and processing.

Open Link Financial, Principal Consultant

New York, NY
Jan 2016 – Jan 2018

- Led enterprise implementations of capital markets trading and risk management systems for Tier 1 financial institutions, increasing client satisfaction scores by 30%
- Directed cross-functional consultant teams through complex system rollouts, delivering on-time, on-budget go-lives with measurable efficiency improvements
- Authored comprehensive requirements documentation ensuring alignment between business needs, technical architecture, and regulatory compliance (MiFID II, Dodd-Frank)
- Facilitated stakeholder workshops with trading desks, risk officers, and IT leadership to design scalable solutions for high-volume transaction processing
- Implemented change management strategies that accelerated user adoption and minimized disruption during critical system cutovers

Education

MS **City University of New York, Baruch College**, Industrial Psychology / Organizational Behavior

MBA **Pace University**, Financial Management

BS **State University of New York at Buffalo**, Business Administration (Finance)

Courses

Amazon Web Services, AWS Certified AI Practitioner

Project Management Institute, Project Management Professional (PMP)

Python Institute, PCAP – Certified Associate Python Programmer (in-progress)

Udemy, Complete AI Engineer Training

- 29-hour intensive: Python for AI, NLP, Transformers, LangChain orchestration, Pinecone vector databases, OpenAI API integration

Springboard, Software Engineering Certificate

Encode Club, AI & GPT Bootcamp

Harvard University, Computer Science for Python Programming

Duke University, Blockchain Applications