PATRICK S. MENSAH

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PROFESSIONAL SUMMARY

Certified Power Platform Developer and Data Professional with experience designing and deploying enterprise-grade applications using Microsoft Power Platform, Dataverse, and integrated data solutions. Proven track record of modernizing legacy systems, automating complex workflows, and building scalable applications supporting procurement, contracts, financial operations, and audit processes within New York State agencies. Strong foundation in data analytics, ETL processes, and stakeholder-driven solution design.

TECHNICAL SKILLS

Power Platform & Microsoft Stack: Power Apps (Model-Driven Apps, Canvas Apps), Power Automate, Power Pages, Dataverse, Power Query, Power BI, SharePoint, Office 365, Power Fx, Business Process Flows, AI Builder, Microsoft Azure, Azure Active Directory (Microsoft Entra ID), Azure Functions

Development & Integration: JavaScript (for Power Apps customization), Custom Pages, REST APIs, Dataflows

Data & Analytics: SQL, Python (Pandas, NumPy, Scikit-learn), R (Tidyverse, ggplot2), ETL, Data Modeling

Other Tools & Platforms: ArcGIS Survey123, XLSForms, Tableau

CERTIFICATIONS

Certification	Credential ID
Power Platform Developer Associate (PL-400)	38F1A16385093371
Microsoft Power Platform Functional Consultant (PL-200)	B9187940BA6F71A8
Microsoft Power Platform Fundamentals (PL-900)	DFA81E7DCB89087B
Microsoft Azure Fundamentals (AZ-900)	2AC97AC05E442F45

EDUCATION

New Jersey Institute of Technology, NJ — May 2022
M.S. in Biostatistics

Rutgers University, New Brunswick, NJ — Jan 2020
B.A. in Statistics

University for Development Studies, Ghana — May 2015
B.Ed. Mathematics

PROFESSIONAL EXPERIENCE

Data Analyst 2 / Power Platform Developer May 2026 – Present

New York State Office of Information Technology Services

- Design, develop, and deploy enterprise applications using Microsoft Power Platform, including Model-Driven Apps, Power Apps, Dataverse, Power Automate, and Power Pages to modernize business processes and replace legacy InfoPath and SharePoint-based solutions.
- Design scalable Dataverse data models, tables, relationships, business rules, calculated columns, and Business Process Flows to support complex agency workflows.
- Develop custom pages, Power Fx components, JavaScript web resources, and client-side form scripts to extend application functionality and deliver enhanced user experiences.
- Build cloud flows using Power Automate to automate approvals, notifications, document generation, integrations, and business processes across Microsoft 365 services.
- Integrate Power Platform solutions with SharePoint, Microsoft 365, and external data sources through connectors, APIs, and Dataverse to enable secure data exchange and automation.
- Configure Dataverse security, including business units, security roles, field security, and team-based access to implement role-based security aligned with organizational requirements.
- Design SharePoint permission models by managing inheritance, item-level permissions, and document security to protect sensitive business information.
- Serve as a technical advisor to leadership on Microsoft Power Platform architecture, security, governance, and enterprise application implementation.
- Support the development and implementation of an AI platform using Code Apps, contributing to the platform's enterprise architecture and readiness for production deployment.
- Implement security-team membership through Microsoft Entra ID security groups, enabling centralized and scalable user access management.
- Participate in solution lifecycle management (ALM), including solution packaging, environment deployment, version control, testing, and production releases using Azure DevOps.
- Collaborate with business analysts, product owners, and stakeholders to gather requirements, design technical solutions, perform testing, and support application deployment.
- Troubleshoot, optimize, and maintain Power Platform applications by resolving defects, improving performance, and implementing enhancements based on user feedback.

Data Analyst / Power Platform Developer Oct 2023 – May 2026

New York Department of State

- Architected and developed the Fiscal Contract Manager, an enterprise Model-Driven App built on Microsoft Dataverse to automate procurement, contract management, voucher processing, and financial tracking, replacing manual Excel-based processes.
- Led the modernization of legacy SharePoint and InfoPath-based business applications by designing scalable Power Platform solutions that improved efficiency, maintainability, and user experience.
- Designed Dataverse tables, relationships, business rules, Business Process Flows, views, forms, dashboards, and model-driven application components supporting end-to-end business operations.
- Developed Power Automate cloud flows to automate approval workflows, notifications, document management, and data synchronization across Dataverse, SharePoint, and Microsoft 365.
- Built custom pages, Power Fx components, JavaScript web resources, and client-side scripting to implement advanced business logic and extend Power Apps functionality.
- Designed and implemented secure data models, configuring Dataverse security roles, business units, and record ownership to enforce role-based access control.
- Designed and supported application lifecycle management (ALM) across Development, Test, and Production environments, managing solution deployment, release management, and the security components and dependencies required for production readiness.
- Provided technical guidance on Power Platform governance, environment strategy, security, and deployment practices.
- Collaborated with data, technology, and business stakeholders to translate organizational requirements into scalable Power Platform and AI-enabled solutions.
- Developed Power Query data transformation processes and Dataflows to standardize, cleanse, and integrate data from multiple enterprise systems.
- Automated statewide data collection and reporting processes using ArcGIS Survey123, XLSForms, Power Automate, SharePoint, and Power BI.
- Partnered with Internal Audit to develop analytical solutions using Power Query, SQL, Python, and R to support compliance reviews, fraud detection, and operational reporting.
- Led the replatforming of the Fiscal Revenue System from Oracle to Microsoft Power Platform, improving scalability, maintainability, and workflow automation.
- Spearheaded the migration of the Division of Community Services' SharePoint-based applications to Microsoft Dataverse and Model-Driven Apps, creating a centralized enterprise solution supporting contract management and program administration.
- Delivered technical training and user support on Microsoft Power Platform, Power Query, and related Microsoft 365 technologies, increasing adoption across multiple business units.

Area Manager June 2021 – Oct 2023

Amazon

- Managed technology-enabled operations for a high-volume distribution environment, using enterprise systems, operational data, reporting tools, and digital workflows to monitor performance and support business decisions.
- Analyzed operational data and system-generated reports to identify trends, bottlenecks, workflow issues, and performance gaps, implementing corrective actions to improve productivity and operational efficiency.
- Participated in the testing and validation of system and process changes, including validating expected functionality, identifying issues, documenting results, and communicating findings to appropriate stakeholders before operational implementation.
- Supported User Acceptance Testing (UAT) for operational process and system changes by validating business requirements, executing defined test scenarios, identifying defects or unexpected results, and confirming that solutions met operational needs.
- Gathered and communicated business and operational requirements from frontline teams and management to support enhancements to workflows, enterprise applications, reporting processes, and technology-enabled business operations.
- Troubleshot application, workflow, and operational issues by analyzing symptoms, identifying root causes, documenting problems, coordinating with technical/support teams, and validating corrective actions.
- Collaborated with cross-functional business and technology stakeholders during system changes, process improvements, testing, implementation, and post-deployment support to minimize operational disruption.
- Supported implementation and rollout of new or modified technology-enabled processes by validating functionality, assisting with user adoption, providing training, and monitoring results following implementation.
- Developed and maintained process documentation, standard operating procedures, testing notes, and training materials to improve consistency, system usage, and operational support.
- Used performance metrics and data analysis to evaluate the effectiveness of implemented solutions and identify opportunities for continuous improvement, workflow optimization, and increased operational throughput.
- Led teams of 50–100 associates while coordinating multiple operational priorities in a highly automated enterprise environment, ensuring adherence to business processes, quality standards, security requirements, and compliance policies.

REFERENCES

Available upon request.