Mark Molesworth

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PROFESSIONAL STATEMENT

AWS-certified Solutions Architect Professional with extensive experience in business analysis, governance frameworks, and IT modernization. Skilled at bridging business and technical requirements to deliver secure, cost-efficient solutions. Adept at leading migrations from legacy platforms, implementing governance structures, and optimizing processes through automation and data-driven insights. Experienced in executive engagement and stakeholder communication to ensure the successful delivery of enterprise-scale initiatives.

EXPERIENCE

Agiliko (NCUA)   Alexandria, VA
Consultant   October 2022-Present

- Directed training initiatives on Azure DevOps during migration from Team Foundation Server, empowering teams with Git version control and modern CI/CD practices.
- Oversaw migration of 60+ repositories from Team Foundation Version Control to Git, mitigating risk through proactive error resolution and delivering the project on schedule with minimal disruption.
- Designed and implemented a comprehensive Power Platform governance framework with defined risk controls, security policies, environment management, and support structures for citizen development.
- Delivered regular status updates to NCUA leadership, maintained project schedules, performed risk assessments, developed executive-level presentations, and facilitated the resolution of technical issues.
- Created an innovative, user-driven system in C# that empowered end users to design annual employee compensation statements, such as layout and content, significantly reducing overall development time.
- Authored software requirements specifications and system design documentation, ensuring clarity, traceability, and alignment with development and testing processes.

Freddie Mac   McLean, VA
Business Analyst   July 2021-September 2022

- Supported daily operations for closing monthly accounting activities.
- Ensured successful execution of automated ETL processes, coordinated issue resolution, and communicated results to business users.
- Identified and documented ~300 manual processes required for monthly close execution, recorded all procedures in Atlassian Confluence, and reviewed them with stakeholders for validation.

U.S. Financial Technology (Common Securitization Solutions)   Bethesda, MD

Business Analyst   February 2016-July 2021
- Analyzed business system requirements to validate mortgage securitization data and documented them in a centralized repository for ongoing maintenance and reference.
- Led bi-weekly requirements review sessions with the development team and facilitated weekly issue resolution meetings to track and resolve blockers.
- Led a cross-functional team in assessing the cost implications of ad-hoc data changes and presented findings to senior leadership to inform strategic decision-making.
- Mentored cross-functional colleagues in foundational SQL skills to support self-service data access and analysis, empowering business units to make data-driven decisions without constant developer support.
- Leveraged SQL, Excel macros, and advanced visualization tools (Power BI, R, matplotlib) to support SLA compliance, machine learning initiatives, and day-to-day operations, enabling data-driven decisions across business functions.

Agile Engine (FINRA)   Rockville, MD

Business Analyst   October 2012-January 2016
- Managed the daily ingestion of 240 equity and options trading datasets from the New York Stock Exchange, ensuring timely data availability to support market regulation surveillance and compliance.
- Evaluated client change requests for potential data impacts and communicated findings to stakeholders. Documented business requirements and transformation logic for the internal ETL development team.
- Directed weekly client status and ETL planning meetings to track progress, resolve issues, and align cross-functional teams around release schedules and delivery milestones.
- Investigated and resolved data anomalies impacting production systems by partnering with developers, operations teams, and business users to identify root causes and implement corrective actions.
- Facilitated weekly data issue meetings to align internal data consumers while communicating issues to clients and tracking progress through resolution to drive accountability and timely remediation.

Deco Recovery Management   Landover, MD

Applications Development Manager   November 2010-August 2012

Chevo Consulting   Rockville, MD

Consultant   October 2005-November 2010

CitiMortgage   Frederick, MD

Business Analyst   January 2003-August 2005

CERTIFICATIONS

AWS Solutions Architect - Professional   12/2025

AWS Certified Security Specialty   07/2025
AWS Data Engineering - Associate   10/2025
AWS Certified AI Practitioner   07/2025
AWS Certified SysOps Administrator - Associate   10/2023
AWS Certified Developer - Associate   08/2023
AWS Certified Solutions Architect - Associate   12/2022
AWS Certified Cloud Practitioner   06/2022
FinOps Certified Practitioner   10/2025
FinOps Certified FOCUS Analyst   10/2025

SKILLS

Software: AWS, PostgreSQL, Oracle, SQL Server, Python, C#, Conda, Pandas, Power Platform, Power BI, Jira, Confluence, Azure DevOps

EDUCATION

University of Delaware   Newark, DE
Bachelor of Arts in Economics, Minor in Russian   May 2002