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|  | Mark Williams Principal Consultant, Digital Strategy & Experience |

Mark possesses experience in software development and testing, focusing on creating bespoke systems and integration projects. He has contributed to various teams successful in implementing data analytics solutions, low-code platforms, enterprise architectural strategies, solution architecture, and AI/ML initiatives.

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| Primary expertise  * Program Coordination – Managing a range of linked projects to ensure they meet program goals and are completed on time. * Solution Design – Helping teams develop solutions that comply with current technical standards. * CyberSecurity – Experienced solution architect for mitigating modern cyber security threats. * Cloud Migration – Evaluating current infrastructures and developing plans for moving to the cloud Azure, AWS, and GCP. * Enterprise Architecture – Working with clients to define and implement system development paths and choosing solutions that align with their business goals. * Data Analytics – Providing guidance on architectural methods and designs that help the organization gain valuable insights from their data sources. | Clients  * Premera Blue Cross * Kaiser Permanente * American College of Emergency Physicians * Abbott Laboratories * American College of Physicians * Thermo Fisher Scientific * American College of Chest Physicians * ConMed * Entertainment Industry Business Management  Qualifications  * BS Physics * MS Electrical Engineering * MA Information Systems Management * ITIL 4 Certification ITIL® Registered Trade Mark of AXELOS Limited. All rights reserved. * SAFe Agile 4 Certification SAFe® is a Registered Trade Mark of Scaled Agile, Inc. * Microsoft Certified: Azure Fundamentals * AWS Certified Cloud Practitioner * Boost-Ai (Design, Training, Advanced) |

#### Experience summary

* Enterprise Architect – The project assessed the existing architecture and created a three-year strategy to transition the organization towards an infrastructure that enhances capabilities while also reducing costs for the organization.
* Development Manager - Partnering with a client to oversee software development and testing protocols for a bespoke project. The objective was to fortify the team, enhance its performance and output quality, and advise on shaping a sustainable team structure.
* Cyber Solution architect – Providing clients with solutions to mitigate against modern cyber security challenges.
* Cloud Disaster Recovery Architect – Collaborated with a client to design a cloud-based disaster recovery solution. This initiative entailed assessing the existing setup and crafting a five-year migration strategy towards a more capable and cost-efficient architecture for the organization.
* Program Manager overseeing the the program delivery in the healthcare space, managing a several parallel work streams demanding the involvement of various IT service domains.
* Solution Architect – Oversaw the design and implementation of manufacturing and labeling systems for medical devices, ensuring adherence to FDA-regulated processes compliant with CFR 21 Part 11.

#### PA experience

###### Entertainment Industry Business Management – Solution Architect Datawarehouse

##### March 2023 – Present

Developed solution architecture for on prem data warehouse analytics platform. Utilizing MS SQL server, Python, and PowerBi

###### Southern Company Gas – Solution Architect Azure Data Lake

##### June 2022 – Feb 2023

Developed solution architecture for Azure data lake solution for Edge analytics platform. Utilizing Azure storage, Databricks, synapse, and PowerBi

###### Thermo Fisher Scientific – Solution Architect Power Apps

##### Feb 2022 – May 2022

Developed Low Code (Power Application) Solution architecture for key business processes in PPD product analysis process

###### Barnes Group Inc – Software Development Manager

##### December 2020 – May 2021

Agile software development and quality assurance manager for a custom development project. The goal of the role was to stabilize the team, improve the team's quality and productivity, and provide guidance on establishing a future team organization.

###### Kaiser Permanente – Disaster Recovery Strategy

##### October 2020 –Dec 2021

Developed 5-year strategy and vendor selection for utilizing the cloud for disaster recovery. Solution provided the client greater capabilities while lowering costs by 60%

###### Kaiser Permanente – Cloud Strategy

##### February 2020 – November 2020

Delivered cloud comparison and recommendation to Kaiser leadership in the selection of a cloud provider for IaaS and PaaS solution delivery. Under consideration were security, costing, capabilities, and organizational migration options.

###### Nix Biosensors – Solution Architect

##### Nov 2020 – Jan 2021

Designed solution architecture for a mobile application integrated with AWS and Nordic IoT devices.

Previous experience

###### TRL Systems - Director of IT

##### July 2015 – May 2019

Responsible for the management of the internal and consulting IT teams. Multiple system cloud migrations, including data warehouse, CRM, UCaaS, file sharing, and directory services. He also developed a radar notification integration with the Port of Long beach security system.

###### Abbott Vascular - Enterprise Architect

##### January 2012 – July 2015

Responsible for reviewing all significant IT projects as well as utilizing the TOGAF standard to develop solution roadmaps. Led a partnership between Abbott, Microsoft, and Cognizant to deliver a mobile health solution aimed at reducing readmission rates for medical device patients.

###### Abbott Vascular - Solution Architect

##### March 2006 – January 2012

Managed the on and offshore development and testing teams for the Manufacturing and labeling systems as well as responsible for the systems architecture and designs. He also designed a solution saving Abbott significant expenditures through the re-architecture of the interface to the Oracle database system. He was awarded “operational excellence for strategy and architecture” while in this role for his work with integrating HMI SCADA industrial control software with the Oracle database system.