

MICHAEL K. MCCOSKER

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SOFTWARE APPLICATIONS ARCHITECT Architecture Solutions | Security Leadership | Technical Decisions

Accomplished information technology professional with extensive experience providing technical leadership and guidance to drive the achievement of technical goals and objectives. Skilled at utilizing technical project management best practices, Agile Scrum SDLC Methodologies. Demonstrated successful relationship building and project alignment for key project initiatives.

AREAS OF PROFICIENCY

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|---------------------------------|--------------------------------|------------------------------|
| ▪ Software Design Solutions | ▪ API Focused Development | ▪ Identity & Access Services |
| ▪ Product Development Lifecycle | ▪ Technical Project Management | ▪ Test Driven Development |
| ▪ Secured Web System Design | ▪ Data Analysis & Security | ▪ Cloud API Integrations |
| ▪ Enterprise Software Security | ▪ Agile Methodology | ▪ Java, .NET, C++, Python |

PROFESSIONAL EXPERIENCE

Marriott Vacation Worldwide, Orlando, FL

Associate Director - Solutions Architect

Current

- Enterprise Software Application components integration and design to leverage Open Source and Cloud platform transformations (AWS, Azure), Identity Provider and Customer Access Management system enhancements.
- Lead in AWS Cognito-IDP Management, Development and expansion projects to extend software REST Endpoint design and configuration for development strategies, production deployments, integration to RedHat OpenShift system.
- Architect Lead of Software Team and Development-Security Operations Liaison for OAuth 2.0 JWT Token integration into Web Applications, Risk & Security Analysis of API's and data resources. Working knowledge of AWS ECS, Lambda scripting, Cloud Container and Cluster Management. Data Object Stores and Model building with MongoDB, DynamoDB, S3 and MySQL Data Services using Python and Cloud Configuration / Scripting tools for Testing and deployment.
- Lead Integrator for Interactive Voice Response system implementing AI Virtual Agent application software building Rule Sets and Models, testing Voice Response software, integration to back-end systems.
- Scrum Master of multiple Agile software application enhancements and security related projects using Mulesoft ESB Service Bus architecture and Springboot frameworks leading diversified development teams. Directing Contractor and Managed Services teams in specific Product Development both On Premise and Cloud transitions.

FIS Global Orlando, FL

Senior Software Security Analyst

2019-2022

- Financial Web Application enhancements in Enterprise System Software component design, vulnerability scanning and remediation, Supported shift of On-premise transition to Azure Cloud services, Server Connectivity and Access Controls.
- IT Service Management (ITSM) knowledge based on ITIL, Leading Service Now Ticket Management across multiple teams, coordinating full resolution of daily and emergency incidents, resolving product code enhancements and bug fixes.
- Managing Banking and Transactional Client Software Application code bases analysis across Spring Boot framework (Restful Web Microservices) design and implementation (Web Services Security, LDAP, PKI/PKM, AES Encryption and Key Management).
- Coordination of Product Incident Management policies, processes and technical leadership across multiple teams; Code Development, Regulatory Compliance and Release/Change Management, Integration of Azure Cloud Services transition planning from On Premise systems.

AIRGAS AN AIR LIQUIDE COMPANY RADNOR, PA

Senior Software Engineer

2017-2018

- Web based Ecommerce development for Gas and Accessory products working with SAP ERP Hybris J2EE based Web Application with full Back Office, Fulfillment Services, Search Engine Configuration based on the Apache Platform.
- Agile/Scrum methodologies and SDLC ; software design/Story definitions, unit testing, Post Sprint retrospective reviews.

Professional Experience Continued

- PCI-DSS scope assessments evaluating software application components for credit card payment processing and related infrastructure. Working with 3rd party Security Vendors evaluating platforms for Tokenization and Secured vaults; (CardConnect, PayPal).
- Oracle user identity authentication and product access services integration for Single Sign On user authorized login to applications using Spring Boot framework for Data Layer components mapping to application layer objects.
- AWS platform used for development/staging/QA of complex eCommerce components in an IAAS Service Model, platform upgrades and migrations to run in parallel to production systems, APIs/Microservices used for data resource access.
- Incident Response organization and Lead for Ecommerce System product direction, enhancements and production support, using Web tier level data collection tools to analyze traffic patterns using Splunk, Dynatrace, Nessus Tools, assess performance and threat activities.
- SAP Cloud Order Management integration with B2B Customer Purchase Order processing using CXML/OCI data interfaces, securing web services and middleware connections to B2B Procurement systems (Ariba, SciQuest). Responsible for Order Management services as procurement liaison and business technologies.

NATIONAL BOARD OF MEDICAL EXAMINERS, PHILADELPHIA, PA

2014 – 2017

Web Applications Lead

- Medical License Exam and Assessment applications, with responsibility for multiple product lines, software design and product enhancements using J2EE framework Spring framework integration and design.
- Establish higher performance and concurrent web application scalability through work with Oracle and XML document repositories.
- Integration of Web Tier and Back End Servers through Oracle Identity (IAM) system, LDAP and Linux RHEL nodes configuration.
- Analyze both real-time and archived exam documents for data integrity and encoding issues with 3rd party cloud providers and Trusted Hosting systems.
- Technical Lead in Software Application Monitoring through Server log levels using SolarWinds, AlertFox and Log4J Configuration and management tools.
- Evaluation work in MongoDB (NOSQL) frameworks query efficiency and performance measures focused on application threading, higher capacity data channels, high user concurrency and interface scalability.

Additional Experience:**SIEMENS HEALTH SERVICES, MALVERN, PA**

2012 – 2014

Senior Software Engineer**COMCAST CABLE, MOUNT LAUREL, NJ**

2009 - 2012

Senior Design Architect

EDUCATION, CERTIFICATIONS & TRAINING

Bachelor of Science, Computer Engineering – Spring Garden College, Philadelphia, PA**Associate of Science, Electronics Engineering** – Pennco Technical Institute, Bristol, PA**Certified Information Systems Security Professional (CISSP)****Certified Cloud Security Professional (CCSP)** - In Progress