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Cloud Application Modernization / DevOps
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Future Systems: https://www.futuresystemsinc.com
Remodel Cloud: https://www.remodelcloud.com

Summary

I am experienced and results-driven Software Developer and Cloud Architect with a strong specialization in Microsoft technologies. I have a proven track record of designing, developing, and implementing scalable cloud solutions to meet diverse business needs. I am proficient in various Microsoft development frameworks, cloud platforms, and DevOps practices. I am adept at collaborating with cross-functional teams to deliver high-quality software solutions on time and within budget. Software Development and technology is my passion!

Experience

Star Seven Six, Ltd.   07/2022 - Present
Cloud Practice Lead

- Building our internal Cloud Practice and will participate in multiple customer engagements in various roles.

- Senior Engineering role at State of Ohio Auditor
    - Design and development of backend API(s) utilizing C#, .Net Core, AWS
    - Design framework for unit testing APIs, Services, Controllers, and Repositories. Implemented SQLite and backend data source used in all Unit Testing.

- Cloud Architect role with Fillmore Capital Partners, LLC.
    - Responsible for design and deployment of Datawarehouse infrastructure in Microsoft Azure.
    - Created IAC using Terraform to construct and deploy components of Datawarehouse in Azure.
    - Support, develop and design workflow around Azure Synapse and Datawarehouse infrastructure.

Cognizant Microsoft Business Group   11/2020 – 07/2022
Application Modernization Architect

- Solution Architect leading Microsoft's Application Innovation Program for Cognizant Microsoft Business Group
    - Responsible for leading assessments for multiple engagements with mid-sized companies > 20 million
    - Lead solution development, architecture, sales support, and delivery for enterprise application modernization from on premises to Azure Cloud environment.
    - Created assessment of current cloud architecture, and assessment of migration of selected applications, services, and databases
    - Presented findings and proposal to move forward to c-level executive and their architecture teams.

- Cloud Application Architect on AWS Migraation team for Saks Fifth Avenue.
    - Managed and advised onshore and offshore teams while leading the development of a product roadmap from incubation, design, development, porting, to product maintenance.
    - Provided end-to-end design, validation, alignment of requirements into a technical design for modernizing application workloads

- Application Architect for TriZetto in their enterprise effort to migrate existing architecture from on-premise to the Azure Cloud.
    - I was responsible for designing pipelines and build Terraform scripts to build infrastructure and deploy applications and service too provision large enterprise level architecture that includes many Azure IaaS and PaaS services used to support customer's premier product offering.

- Application Architect for WordPress in effort to migrate the WordPress Engine from Google Cloud to Azure Cloud.
    - Responsible for created and designed Azure Kubernetes system and Terraform deployment scripts used to deploy this system.

Avanade   11/2016 – 11/2020
Software Engineering Group Manager

- I serve as Technical Architect for 2 Agile Scrum teams in the development of a commercial mortgage software product.
    - I am responsible for ensuring all development efforts adhere to direction specified by Enterprise Architecture. I work with developers and provide technical leadership and assist with all design efforts.
    - I work with the enterprise supporting the Scaled Agile Framework "SAFE". I am responsible for planning and breaking down features to a place where individual development teams can create User Stories and be proficient with their estimates.
    - I work with the Architecture Group to help build "proof-of-concepts" to support the product roadmap and future efforts including migration to the Azure Cloud.

- Lead Software Architect role for Amazon Web Services
    - Specialized in the modernization of Legacy .NET applications to the AWS Cloud. I was responsible for building best practices and developing a roadmap and methodology that will allow customers to modernize legacy .NET applications.
    - I developed a Proof-of-Concept for modernizing legacy .NET MVC application using .NET Framework 4.5 to .NET Core MVC application. I defined strategies and produced white papers supporting our migration strategies that included:
        - .NET Framework to .NET Core migration
        - Entity Framework migration to .NET Core.
    - I successfully decoupled legacy .NET Framework MVC Application into multiple REST API(s) inside Docker Containers and deployed in AWS Container Services.
    - I designed and developed the DevOps process for building and delivering native cloud applications in AWS.

- Lead Architect Specialist for Dow Chemical
    - I served as Lead Architect Specialist for the Cloud Services team in building a Cloud Center of Excellence for internal agents and customers wanting to build solutions in the Cloud.
    - Responsible for identifying architecture patterns, documenting Logical architectures, and determining best practices in Architecture design.
    - I created patterns and POC(s) that included basic 3 tier web applications, hybrid architectures, integration patterns with SAP, Event-Driven and Serverless architecture patterns
    - I designed and developed DevOps process for building and delivering native cloud applications. I created a library of Terraform modules utilized by the DevOps pipeline in procuring Azure resources via Infrastructure as Code.
    - I worked intimately with internal Security to ensure that all Azure resources being procured via "Infrastructure as Code" complied with defined security requirements.

- Technical Software Lead for Dow Chemical (Digital – Chicago)
    - I served as a technical lead on an Agile team tasked to design and prototype a Restful API service that will sit over top SQL Server, BW (SAP), and unstructured data sources. This was a POC effort to utilize Azure Service Fabric and Microservices Architecture.
    - I was responsible for the delivery of a mobile application with backend Rest API utilizing Azure Cloud Service.
    - I led a team of up to 6 people from initial design to delivery. We utilized Azure Cloud Services and specifically Web App Services for the Rest API, Key Vault, Application Insights, and Azure SQL Server for the backend database. The mobile application was a single page app developed using the Ionic/Angular framework. I worked directly with internal Management to ensure all standards are being followed in the development of this application and the distribution of internal mobile applications for both iOS and Android platforms.

Future Systems Consulting & Services, Inc.   11/1999 – Present
Owner/Operator
- Software Architect and primary Developer for commercial Software as a Service called Remodel Cloud. Created a multi-tenant solution hosted in Microsoft Azure and consisting of backend REST API, Azure SQL Server Database, Web Application built with ASP .Net Core MVC. Solution is fully integrated with Stripe, SendGrid, and QuickBooks. Responsible for the design development of the Azure Infrastructure required to host the service.

- Modernized existing SaaS - Cold Hard Football Facts (www.coldhardfootballfacts.com) Refactored service to .Net Core and moved to Microsoft Azure environment reducing monthly hosting costs by 40%. Technology stack is Microsoft .Net Core, ASP .Net MVC, Azure SQL Database. Integrations include Stripe, MailChimp, Sports Radar, HangFire, Twitter, and YouTube.

- Designed and developed multi-tenant wayfinding solution PlanIT Studios – www.planitstudios.com. The solution is currently approaching over 40 Android based kiosks located in Medical Centers across Midwest. The technical stack is JavaScript web solution executing as a web-view in Android base kiosk. A central administration built in Microsoft .Net, Asp .Net MVC, and SQL Server. Integration with multiple medical center information directories, and MazeMap.

- Projects and engagement of past clients include the following:
  - Ohio Department of Education
  - Wendy's International
  - Nationwide Insurance
  - Fraternal Order of Eagles
  - Huntington Bank
  - BMW Financial Services
  - Dave Fox Remodeling
  - Wendy's International
  - Bank One
  - Children's Hospital
  - NCS Corporation
  - SydTrace
  - Heartcare, Inc.
  - Perfected Golf Ltd.
  - Title Solutions
  - Lifetouch, Inc.

IBM Global Services   07/1996– 11/1999
Technical Specialist / Architect

Wendy's International   06/1991– 07/1996
Senior Software Engineer

Honda of America Manufacturing   04/1989– 06/1991
Manufacturing Systems Programmer

Technical Skills

Cloud Technologies
- Azure/AWS
- DevOps (ADO)
- Kubernetes
- Cloud Native Development
- IaaS/PaaS
- Synapse/Data Factory
- Azure Open AI

Languages/Frameworks
- C#/VB.Net
- Python
- ASP .Net/.Net Core
- MVC/Webforms
- Rest API/SOAP API
- Angular JS/Angular 2- Ionic
- HTML, CSS
- JavaScript, jQuery

Development Tools
- ADO
- Entity Framework
- Dapper
- Docker
- Containers

Databases
- SQL
- MySQL
- PostgreSQL
- Mongo
- SQLite

Other
- Terraform
- Bicep
- CLI
- Agile/Scrum

Integrations
- Stripe
- SendGrid
- QuickBooks
- HubSpot
- Google

Certifications

- Certified Azure Architect
- Certified Azure Artificial Intelligence
- Certified Azure DevOps Engineer Expert
- Certified Azure Developer
- Certified Azure Fundamentals
- Scrum PSM-1
- HashiCorp Terraform Associate
- AWS Certified Cloud Practitioner

Education

Bachelor of Science in Computer Science
Bowling Green State University - Bowling Green, Ohio

References

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