CORY FOSS

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Site Reliability Engineer
December 2019 – Present

University of Minnesota, Minneapolis, Minnesota

Responsible for the site reliability strategy of existing services, process for overall system resiliency and SAFe based architecture projects that focus on end-to-end availability.

- Azure Design and implement solutions that improve service reliability, infrastructure resiliency, security and system availability.
- Outline application dependencies and create holistic service health insights.
- Create roadmaps, SLAs, schedules, and budgets to support program deliverable initiatives.

Principal IAM Cloud AI Engineer
December 2017 – December 2019

UnitedHealth Group, Eden Prairie, Minnesota

Leading identity and access management for public cloud platforms, Machine Learning (ML) for security anomaly detection, and operational approach for service triage.

- IAM engineering and product owner for Azure connectivity supporting Office 365 and developer access to Azure/AWS.
- Infrastructure engineering of active-passive patterns for fault tolerant configurations supporting AD-Connect.
- IAM data science for Natural Language Processing chatbots, database access forecasting and directory service model creation.

Apex Systems Contractor Dec. 2017 – Oct 2018
Security Analyst, Cloud Architect for Identity Access Management (IAM), and program management

- Program owner of FIPS compliant network enclave for multiple state agencies. Focusing on MARS-E, IRS and NIST standards.
- Scaled Agile Framework (SAFe/OSAM) Scrum Master.

Co-Founder/ Network Architect
October 2017 – May 2018

Blue Diesel Data Science, Minneapolis, Minnesota

Program development, strategic business planning, finance and IT engineering/architecture.

- Azure AD, Domain Services, Virtual Network, Azure point-to-site VPN, Exchange Online, Skype for Business VOIP, and O365 admin/engineering.
- Implemented cloud PBX and designed Geo-HA infrastructure configurations for web applications to self-monitor, alert and create backups for DR.
- Application development and UI design - PHP, C#, CSS and JavaScript.

IT & IS Director
March 2017 – October 2017

Suburban Imaging/Suburban Radiologic Consultants, Bloomington, Minnesota

Director of IT and IS systems for Suburban Imaging, hospital and clinic partnerships with HealthPartners, Fairview and Allina supporting radiology.

- Disaster recovery, architecture planning, network review and project direction/management.
- Network communication and security strategy with multiple RIS and PACS hospital systems.

IT Director – Identity & Access Management
May 2016 – March 2017

UnitedHealth Group, Minnetonka, Minnesota

Director of Active Directory & corporate identity services supporting 78 domains, 440K groups, 970K users and 217 trusts.

- Change audit, security authorization and log analytics tools/devices.
- Develop continuous improvement strategy and lead project for global domain controller replacement in 4-month period. (P2V)

Cloud Engineer & Architect – Azure & Azure Pack
October 2015 – May 2016

UnitedHealth Group, Plymouth, Minnesota

Architect and Engineer for Optum public, private & hybrid cloud services.

- Developer on internal portal services and hybrid integration supporting .NET, PHP and Node.js platforms.
- Infrastructure architect and engineering designing (active/active) GEO HA configurations between multiple datacenters.

IT Director – Cloud Platform, Analytics and Reporting Services
August 2011 – October 2015

UnitedHealth Group, Plymouth, Minnesota

Director of division finance, SQL Server Reporting Services, Web Analytics and Clouds (Azure/Azure Pack) supporting more than 13M users.

- Operational investigation for the design of business platforms to ensure infrastructure availability through automation using PowerShell.
- Developed reviews and partnerships with multiple teams for application development, server infrastructure design and overall system/application resiliency.

Project Manager/Project Lead – SharePoint Infrastructure
December 2010 – August 2011

UnitedHealth Group, Plymouth, Minnesota

Team Lead for private and public Optum SharePoint infrastructure projects.

- Infrastructure product owner of Dev/Ops collaboration of multiple internal and customer projects.
- Designed and continuous integration lifecycle of code review, performance testing and checkout procedure.

Web Systems Manager
August 2008 – December 2010

HighJump Software, Eden Prairie, Minnesota

Manager and principal architect for internal applications. Responsible for development and technical specifications related to new projects and system documentation.

- Managed and developed multiple external facing websites on SharePoint enabling internal users to administer content as needed.

- Created and led teams to develop internal data management tools for the automation of generated reports. (Crystal Reports /SSRS)

Owner – Development and Project Management
January 2008 – October 2008

Centari Meta-Group, Saint Paul, Minnesota

Sales, marketing, support, training and application development on a variety of systems for multiple clients.

- Data migration, configuration and training on Clientele CRM, Siebel, Salesforce and SugarCRM for national sales teams.
- Training and project management for Merrill Corporation. Developer for HighJump Software. Supported multiple HSA/HRA, Brokerage clients.

Sales Force Automation Project Manager (CRM)
August 2007 – December 2007

Merrill Corporation, Saint Paul, Minnesota

Project Manager for multiple sales automation initiatives and nationwide sales trainer on SugarCRM.

- Led projects for data migration from Salesforce, Siebel, GoldMine, ACT! to SugarCRM.
- Negotiated contracts and software licensing prices to achieve the lowest cost for the highest functionality within budget.

Web Systems Manager / Developer
Spring 2004 – August 2007

HighJump Software, a 3M Company, Eden Prairie, Minnesota

Primary developer and designer for highjump.com, extranet.highjumpsoftware.com, logisticstools.com and RFP2007.com

- Developed, designed and deployed VM based training environment utilizing VMware Lab Manager and MS TS-Gateway.
- Designed and developed tracking applications for Marketing email campaigns and lead generation.

Application Systems Supervisor
Fall 2000 – Spring 2004

Alliant Techsystems (ATK), Anoka, Minnesota

Manager of all web related projects and 18 websites for both B2C and B2B. Responsible for UIX for client installed applications and customer websites.

- Created integrated client and web tools for sales to automate partner storefront information worldwide. Cutting support calls down by 10%.
- Developer and designer for the RCBS.com e-commerce site generating $80K revenue within the first year. Project length was three months.

SKILL DETAIL & APPLICATION PROFICIENCY

Development Abilities		Planning and Project Abilities		Management Abilities	
Develop Design Specifications		Lead Long Projects (12+ Months)		Team Management	
Develop Functional Specifications		Lead Medium Projects (3-12 Months)		Communication	
Develop Technical Specifications		Lead Short Term Projects (1-3 Months)		Application Architecture	
User Interface Design (UI)		SLD		Contract Vendor Management	
Enterprise Application Integration (EAI)		Project Change Management		Interviewing	
Development Methodology Procedures		Project Estimating		Lead Small (1-5) / Large (15+) Teams	
Graphic Production CSS		Project Planning & Scheduling		Technology Strategic Planning	

Applications		Languages	
Salesforce		VB.NET	
SugarCRM		AJAX	
Siebel CRM		ASP (classic)	
MS Dynamics		CAML	
SharePoint MOSS		ColdFusion	
SharePoint 10/13		CSS	
CyberArk		C#	
MS Project		HTML/XHTML	
MS Visio		Java	
MS Excel		JavaScript	
MS PowerBI		Perl	
MS Visual Studio		PHP	
Team Foundation Server		VB Script	
VMware Lab Manager		VBA	
VMware Infrastructure Client		XML/XSL	
Adobe Dreamweaver		jQuery	
Adobe Illustrator		SQL (TSQL)	
Adobe Photoshop		Python	

.... Ability to Train
.... Excellent Knowledge
.... Good Knowledge
.... Intermediate Knowledge
.... Limited Knowledge

TRAINING/EDUCATION

2001	Science Museum of Minnesota SQL 97 & 2000	2007	Kelby Photoshop Seminars
2002	Nielsen Norman Group Web Usability and UI	2008	Microsoft SharePoint Development
2002	Management / Team Diversity Leadership	2010	MOSS 2010/Visual Studio 2010
2003	Hennepin Technical College Web/JavaScript Development	2014	Leadership Emotional Intelligence
2004	IBM DB2 and AIX (AS/400) Administration (Development)	2015	Machine Learning
2006	Alto Consulting VB.NET Development	2018	U of M Carlson Executive Data Science