DOUG DIEDERICH

Full-Stack Engineer, Architect, Leader

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PROFESSIONAL SUMMARY

Engineer with 24 years of experience architecting solutions, leading teams, developing applications, and managing products.

SKILLS

- Web – JavaScript, CSS, web services, HTML, AJAX, .Net 1.0 – 8.0, Classic ASP, APIs
- Development – C#, SQL, JavaScript, XML, JSON, XSLT, Terraform, nUnit
- AWS – EC2, Fargate, RDS, FSx, Route53, IAM, Shield, Directory Services, SES
- Project Management – Agile, Jira, Azure Boards, Trac
- DevOps – Azure Builds & Pipelines, Git, GitHub Actions, YAML, SVN
- Servers – Windows, Ubuntu, SQL Server, IIS, CertBot, Active Directory, SSL, DNS

PROFESSIONAL EXPERIENCE

Catalis https://cataglisgov.com

Director of Development for Public Engagement January 2022 - Present

- Created a development roadmap for software solutions related to public engagement.
- Led a team from multiple companies into a single public engagement team.
- Defined, researched, and implemented a move to AWS.
- Migrated several project management solutions from a variety of products to Jira.
- Created and implemented a DevOps roadmap to increase delivery and reliability.

GovOffice https://govoffice.com

Chief Technology Officer, Senior Solutions Architect January 2016 – December 2021

- Completed the technical review and interviews required for the sale of GovOffice to Catalis.
- Defined and led the implementation of a roadmap in migrating our CMS to .NET from ASP.
- Identified product enhancements to bring GovOffice into the future.
- Designed and delivered a communications suite connecting governments and citizens.
- Interviewed, researched, and selected new hosting providers.
- Delivered an online forms engine with payment processing.

Avenet https://avenet.net

Senior Solutions Architect May 2000 – December 2015

- Architected a content management system used by over 1250 cities across the US.
- Delivered modules, including forms, payments, communications, and content delivery.
- Architected an e-Portfolio application (eFolioMN.com, myeFolio.com) used by over 300,000 students across the globe with accounts in the US, CA, Europe, Asia, and Australia.
- Determined requirements by working with clients, team members, users, and project stakeholders to produce actionable roadmaps for future projects.
- Guided and completed other projects in research, healthcare, and data collection.

PROJECT HIGHLIGHTS

Public Engagement Team Creation - Catalis   January 2022 – Present

- Developed a roadmap and requirements list for eight products from four companies.
- Provided solutions to integrate products that increased public engagement.
- Created a team with members from different companies to work towards a single goal.
- Migrated five applications to Jira projects while introducing our plan for backlogs and sprints.
- Defined DevOps patterns around QA, build, and release processes.

AWS Migration – Catalis   June 2022 – August 2022

- Migrated GovOffice's CMS sites to AWS. Project planning began in June, and the final migration was complete before August 15th.
- Technology: EC2, Directory Services, RDS for SQL Server, FSx for Windows, Cloud Watch, NLB, IAM, Security Groups,
- Transferred 1,000 sites over four weeks with 100% of page requests delivered.

Communications Center - GovOffice   September 2021 – December 2021

- Architected and delivered a solution allowing people to register for communication threads via email or SMS.
- Implemented using the GovOffice CMS interface with .NET 6.0 Web API services.
- Hosted using AWS Fargate for web API and RabbitMQ for messaging.

Sale of GovOffice to Catalis – GovOffice   2017

- Led the technical review of GovOffice by completing the due diligence interview and documentation processes.
- Worked with leadership to integrate business processes into a single entity.

myeFolio.com / eFolioMN.com – Avenet   January 2006 – December 2016

- Architected and delivered a single-page web application students use to create an electronic portfolio. The data in the portfolio could then be presented over the web as the individual desired or reported to their education system.
- Technology: C#, IIS, XML, XSLT, Windows Communication Foundation (WCF), PrototypeJS, JavaScript, SQL Server, Windows Server 2008, Cruise Control, nUnit, and MSBUILD.
- Worked with corporate, educational leaders, educators, and team members to create an award-winning e-portfolio application featuring a web API and a single-page JavaScript rendered interface in 2006.
- Presented annually at the Minnesota Summit on Learning & Technology.

REFERENCES

Available upon request.