

# LUKE C. DARLING



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## EXPERTISE

Azure (AZ-900 Certification)

SAFe (Scaled Agile)

Leadership

Solution Architecture

DevOps

Programming

Automation

Continuous Learning

Change Management

## EDUCATION

BACHELOR OF SCIENCE

Electrical Engineering

*Cum laude*

State University of NY at Buffalo  
2010 – 2013

BACHELOR OF ARTS

Mathematics – Concentration in  
Computing and Applied  
Mathematics

*Cum laude*

State University of NY at Buffalo  
2003-2008

## PROFESSIONAL PROFILE

Resourceful, independent self-starter and customer-focused Innovator with an extensive background in Azure Cloud development and architecture, analyzing processes, engineering automated solutions, creating and performing quality tests, and designing software. Experienced in analyzing business problems and developing solutions using a variety of technical skills and tools within an Agile framework. Skilled in developing business plans, requirement specifications, user documentation, and architectural diagrams.

## EXPERIENCE

### IT SECTION HEAD – Data Services

Moog, Buffalo, New York / July 2021 – Current

- Designing Data Solutions for ML and Reporting utilizing Azure Synapse Analytics and Spark
- Rebuilding the existing Data Warehouse architecture and updating the future path to utilize Lakehouse Architecture with a Data Lake (ADLS2) and Delta Lake (within Synapse)
- Aligning various organizational teams (HR, Finance, Operating Groups) on best data practices including the creation of Data Cubes for both Operational and Analytical Reporting

### IT SECTION HEAD – Application Enablement and DevOps

Moog, Buffalo, New York / June 2020 – July 2021

- Building a team that can drive the best patterns and practices for Development Teams to follow
- Leading the way in determining the software, practices, and applications of DevOps within the Organization
- Provide Automation, Cloud Consultation, Hands-On Work, Monitoring and Alerting, and R&D as a service to the Organization

### IT SECTION HEAD – Tech Solutions

Moog, Buffalo, New York / March 2020 – June 2020

- Manage a Technical team (domestic and offshore)
- Lead the team in developing/implementing solutions to technical blockers with applications
- Provide the team with the technologies and tools necessary to perform their development tasks
- Developing and designing application roadmaps

### TECH LEAD/DEVOPS ENGINEER

Moog, Buffalo, New York / Jan 2019 – March 2020

- Remove technical blockers and develop/implement solutions to fix existing issues with legacy applications that have been migrated to the cloud and develop new applications
- Continuously Improve/Develop DevOps pipelines and tools (Azure DevOps, ARM Templates, Terraform, PowerShell Scripts) to assist with development and deployment of features and updates to existing applications
- Assigned to high-level projects by the CIO/Senior Leadership that have high visibility and are critical for the future success of the organization (SAP Implementation, Supply Chain)

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## TECHNICAL SKILLS

### PROGRAMMING LANGUAGES

C#  
Java J2EE  
C++  
Delphi  
.NET Core  
Python

### SCRIPTING

Powershell  
Batch Files  
AutoIT  
AutoHotKey

### DATABASES

Microsoft SQL  
MSSQL  
Azure SQL  
Cosmos DB

### TOOLS

Visual Studio 2019  
VS Code  
MS SQL Management  
Studio  
Git  
VSTS  
Azure Data Studio  
Netbeans  
Rad Studio  
Matlab  
Team Foundation Server

### SOFTWARE

ServiceNow  
Microsoft Visio  
Microsoft Dynamics  
OpconXPS  
ACHplus  
MS Office Suite  
Serv-U  
Various ETL Design and  
Data Mapping Tools  
Notepad++

## EXPERIENCE continued

### DEVOPS ENGINEER

Systems Personnel (Contractor at Moog), Buffalo, New York / July 2018 – Jan 2019

- Engineer build and release pipelines in Azure DevOps (Formerly VSTS)
- Build Azure Infrastructure for .NET (C#) and Java Apps including PaaS WebApps (utilizing App Services)
- Develop optimal solutions with various cloud services including Logic Apps, PaaS containers, and Azure Automation

### SOFTWARE ENGINEER

Liazon, Buffalo, New York / October 2017 – July 2018

- Help improve the quality of software by writing automated tests and performing code reviews.
- Work and communicate effectively in an agile team environment.
- Develop, maintain and support the Business Objects environment.
- Design and test fact tables and dimensions within the organization's Data Warehouse Environment.
- Design and support the ETL environment by building SSIS packages and workflows.
- Build and maintain the queries, stored procedures, and views necessary to support reporting, the Data Warehouse, and the various needs of Business Units.
- Analyze end-to-end processes for performance and then utilize various tool to tune performance.
- Utilize GIT for effective source control and management.

### ETL ANALYST

Liazon, Buffalo, New York / 2015 – 2017 (2 years)

- Development, testing, and production maintenance of payroll files. Core responsibilities include B2B client interaction, requirements gathering, and design of payroll files to specifications. Responsibilities also include interfacing with offshore teams and utilizing data mapping tools.
- Designed custom system to audit data. To date this has prevented twenty customers from receiving incorrect data and is entirely automated.
- Write initial reviews, functional designs, technical requirements and documentation, test strategies, statements of work, and production implementations.
- Administrate Team Foundation Server for the ETL team to provide source code management for ETL custom-built code.
- Design efficient and repeatable processes for payroll to reduce time-to-build and to allow automation of future builds.
- Troubleshoot and determine flaws in current process and build solutions to fix the flaws.
- Collaborate with project managers, HR directors, payroll vendors, and other team members across the organization to complete payroll projects.

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## PROFESSIONAL DEVELOPMENT

UDEMY Training  
Microsoft Learn  
Azure Fundamentals  
Certified

Professional Reading List

### Completed

The Pragmatic Programmer  
The Clean Coder  
97 Things Every  
Programmer Should Know  
Essential Pascal  
Head First SQL  
SQL Server 2012 T-SQL  
Recipes  
Head First Java  
The Passionate Programmer  
Head First C#  
Head First Software  
Development  
Head First Design Patterns  
Dynamic SQL  
The Art of Agile  
Development  
Ship It  
Struts 2 in Action  
Microsoft Azure Enterprise  
Application Development

### In-Progress

Fundamental Algorithms  
Big Java  
Building Microservices  
Applications on Microsoft  
Azure Designing,  
Developing, Deploying, and  
Monitoring

## EXPERIENCE continued

### SENIOR SYSTEM ANALYST

First Niagara Bank, Lockport, New York / 2010 – 2015 (3 years)

- Participate in flagship initiatives, which involve the implementation of vendor software and/or home-grown applications aligned with First Niagara's strategic plan. Core responsibilities include coordinating development support from multiple IT Operations and Vendor support teams to build stable platforms which institute and/or replace First Niagara's Legacy Systems.
- Member of the critical implementation team accountable for the integration and deployment of First Niagara's BAI Processing Software. Core responsibilities include system design, development, configuration, testing, training, and go-live phases.
- Develop custom Delphi (Object-Oriented Pascal) programs to support Jack Henry's Synergy and Unisys' MCP Systems.
- Develop and test SQL queries to extract information for several key applications.

### SUPPORT ENGINEER

First Niagara Bank, Lockport, New York / 2010 – 2015 (1 year)

- Maintained support and user documentation for several applications including workflow, UML diagrams, Visio diagrams, and runbooks.
- Experienced in supporting software applications including data protection, product setup and testing, software release installation and release testing.

### COMPUTER OPERATOR SPECIALIST

First Niagara Bank, Lockport, New York / 2010 – 2015 (1 year)

### COMPUTER OPERATOR I

M&T Bank, Amherst, New York / 2005 – 2010 (2 years)

### OUTPUT DISTRIBUTION OPERATOR

M&T Bank, Amherst, New York / 2005 – 2010 (3 years)

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## REFERENCES



Rod Smith  
Former Co-Worker, First Vice President, Valley Bank N.J.  
716.341.1014, [rws@warilysoftware.com](mailto:rws@warilysoftware.com)



Nick Pulvino  
Former Co-Worker, Business Intelligence Manager, ACV  
716.812.7863, [Nick.pulvino@gmail.com](mailto:Nick.pulvino@gmail.com)



Sadie Hambalek  
Former-Worker, Implementation Project Manager, Liazon  
716.954.8118, [Sadie.hambalek@liazon.com](mailto:Sadie.hambalek@liazon.com)

## Azure Technical Stack

### 2018 – 2019

- Resource Groups
- App Services
- Azure SQL (PaaS)
- Hybrid Connection Manager
- Power Apps
- Logic Apps
- Key Vaults
- Application Insights

### 2019 – 2021

- Azure SQL (Elastic Pools)
- Storage Accounts
- Azure Monitor
- Azure Automation
- Service Principals
- AAD (Azure Active Directory)
- Virtual Machines/ Managed SQL Instances
- Azure Site Recovery
- Recovery Services vaults
- VNet
- Function Apps

### 2021 – 2022

- Azure Synapse Analytics
- Azure Data Factory
- Stream Analytics
- IoT Hub
- Event Hubs
- Azure Databricks
- PowerBI
- ADLG2
- QnA makers
- Machine Learning
- TSI (Time Series Insights)