

# KENNETH R. MUSE

## EDUCATION

### Georgia Institute of Technology

**Bachelor of Science, Computer Science**

**1995-1998**

Attended with additional studies in Finance/Accounting

### Clayton College and State University

**Associate of Applied Science in Electronics Technology**

**1995**

Graduated with Honors

## TECHNOLOGY EXPERIENCE

### ecoInsight / mySupplier

**Executive Vice President**

**2016-Present**

- Coordinated sales, services, operations, and marketing activities for both companies across six global locations (Bangalore, Brazil, Atlanta, Miami, Columbia, Honduras) and implemented process-focused, metrics-driven analysis to increase productivity and accountability
- Negotiated and launched call center operations in Honduras and data gathering operations in Hyderabad to increase lead generation activities through end-customers
- Expanded key customer relationships to improve retention rates
- Assisting in refining and executing sales and marketing strategies
- Cultivated development team and provided architectural guidance for Azure based application with iPad/iOS, Mac, and Windows clients
- Guided and assisted in the development of Angular 1 and Angular 2 based ASP.NET MVC and ASP.NET Web API based applications
- Advised development team on XAML based applications and migration of existing Silverlight application to modern XAML stacks
- Reduced IT budget by more than 60% by re-architecting systems, eliminating redundancies, and migrating key components to the cloud
- Engineered high-volume metrics capture system using ASP.NET Core, Azure Table Storage (NoSQL), and web servers (IIS/NGINX). Deployed to Azure App Services and Docker containers to ensure the ability to capture 100K+ data requests/day
- Developed automated reporting components using Entity Framework, LINQ, IIS on Windows Server 2016, and SQL Azure (v12)
- Invited to serve 2 year term as a member of the LightFair International Exhibitor Advisor Committee
- Motivated development team to continue implementation of microservice and nanoservice cloud architectures using both Azure hosting and Docker containers
- Implemented quality control program for lighting fixtures to avoid tens of thousands of dollars in potential expenses each year; authored marketing and sales campaigns that promoted this program as a competitive advantage

**ecolnsight****VP, Technology****2009 - 2016**

- Co-founded company, developed initial business plan, and engineered software application for lighting retrofit analysis and business plan generation
- Assisted and directed operations leading to opening a branch office in Bangalore, India
- Crafted investor pitches and presentations to pursue funding opportunities
- Authored and applied for patent for energy analysis solution to identify and maximize savings from energy efficiency upgrades
- Managed and coordinated product management, development, and testing activities between team members in Atlanta, Bangalore, Hyderabad, Brazil, and Bolivia
- Authored article for Microsoft MSDN team on cloud scaling of PHP applications
- Invited to serve in Microsoft Azure Advisors to provide feedback on Azure platforms
- Negotiated with Microsoft partner programs (BizSpark, BizSpark Plus, Partner Program) to receive \$60K/year funding for Azure projects and an estimated nearly \$1M of software licenses to start development operations
- Reviewed and negotiated contracts with partners and vendors for services
- Developed proof of concept machine-learning applications that utilized Apache Cassandra and FlexLucene to identify product pricing and replacement trends
- Managed internal IT infrastructure and external services
- Developed proof of concept file storage application using Amazon Web Services (S3, EC2)
- Architected and developed software applications to meet specific customer goals
  - Silverlight-based XAML client application which supported desktop computers and Microsoft tablet devices deployed on IIS (2008 R2 – 2012)
  - ASP.NET MVC 5 and HTML5/jQuery/SCSS based analytics application
  - ASP.NET OData services (WCF-DS and OData 4 Web API) that utilized Entity Framework and LINQ with SQL Server and SQL Azure storage, deployed as a customized Azure Web Role and exposed as JSON and XML REST services compliant with OData 2 – 4 protocol standard
  - PHP based metrics systems that utilized Azure Service Bus queues, later migrated to Azure Web Site and App Services infrastructure
  - Developed WCF-based distributed cloud file storage and retrieval servers that utilized Azure CDN and Azure Blob Storage
  - Integrated internal and external server applications to cloud based components, including customized Joomla system for ad management
  - Advised on iPad client application using Objective-C and Core Data
  - Financial modeling engine using hand-developed functions for Newton-Raphson based IRR calculations, NPV, ROI, and other financial metrics
  - Customer facing financial model using ASP.NET MVC 5 and Angular 1.x
  - Internal Java-based Android management application
  - Architected engine for structured Excel/CSV file imports
- Presided over the deployment of all systems to the cloud and to local servers
- Mentored developers on architectural best practices and guided team in migration path from Silverlight to UWP and Xamarin.Forms for client-deployed applications

- Manage and maintain internal development network using ESX and virtual machines to support development operations and reduce costs

**SAP (Visiprise)****Sr. Software Architect****1999 -2009**

- Responsible for architecting and implementing key technical aspects needed to enable acquisition by SAP: globalization, security, accessibility
- Architected globalization platform used by SAP for globalizing Java-based acquisitions and advised technical experts responsible for the XLIFF localization file format standard
- Managed a team of 6 Russian and Ukranian Java developers to support globalization and internationalization requirements for 7 principal languages and 7 additional regions/languages
- Reviewed software applications from acquired companies and motivated 10 employees to implement accessibility requirements
- Advised senior management team on security risks and recommendations
- Developed Java based (J2EE/JSP) application for managing shop floor solutions, deployable on Weblogic, Glassfish, and SAP Netweaver and utilizing HTML, CSS, and JavaScript on the frontend against Oracle, DB2, and SQL Server databases
- Re-engineered customer systems to allow communication between disparate technology platforms programming languages and J2EE server
  - C/C++/C#/.NET
  - Delphi/Pascal
  - OLE for Process Control (OPC)
- Developed custom tool for import and conversion of CAD DWG/DXF files to PDF
- Engaged with customers to create customized deployment solutions and integrations that required experience with multiple operating systems, programming tools, and technologies
- Developed and maintained shop-floor scheduling optimization application used by the medical industry to optimize production and reduce process costs by 20% or more using Eclipse, J2EE (Weblogic), and Oracle
- Maintained and developed a hybrid Java/Microsoft ASP document management application and assisted in sales calls to improve customer adoption rates
- Created customized .NET based emulators utilizing the latest web service specifications and a workflow engine to enable testing and deployment with key defense-industry and government contractors with strict security requirements and subject to ITAR

**Creative Loafing/CLN****CLN Manager / Senior Software Engineer/Senior Network Administrator****1998-1999**

- Developed and maintained six websites for the press organizations utilizing IIS 6, SQL Server 6.5, Microsoft ASP (vbScript), Java, and Shockware
- Managed a team of 2 developers and 1 IT engineer to ensure operations
- Developed custom ATL COM components in C++ and x86 assembly language

- Interfaced with founders and senior management to ensure stable and continuous operations of all Eason Publication systems

**PATENTS**

*"System And Method For Gathering And Utilizing Building Energy Information"*  
 Application Author, Inventor (PAF/ 20110029341) **2011**

**PUBLICATIONS AND PAPERS**

*"Optimizing PHP Applications for the Cloud"*  
 Microsoft Developer's Network (MSDN) **2012**

**CERTIFICATIONS**

- Change Management Specialist - MSI, 2015. IASSC & Council for Six Sigma Accredited.
- Six Sigma Lean Professional - MSI, 2015. IASSC & Council for Six Sigma Accredited.

**MEMBERSHIPS**

ACM	MENSA
ASHRAE (Full Member)	Microsoft Azure Advisors Program
IEEE (Senior Member)	NESA (Lifetime Member)

**TECHNOLOGY EXPERIENCE SUMMARY**

**ecoInsight / mySupplier** **2016-Present**  
**Executive Vice President**

- C# / ASP.NET Core / EF Core
- Docker
- Financial Modeling (NPV, IRR, ROI) & Budgeting
- IIS (Windows Server 2016)
- LINQ
- Microsoft Azure
- NGINX
- SQL Azure (v12)

**ecoInsight** **2009 - 2016**  
**VP, Technology**

- Apache Cassandra
- Apache Lucense / Lucene.NET / FlexLucene
- ASP.NET (Web API, Web Forms, MVC 3-5, Core)
- Amazon Web Services (POC using S3, EC2)
- C#
- DNS Management
- Entity Framework (4, 5, 6, Core)
- Financial Modeling (NPV, IRR, ROI) & Budgeting

- HTML5/CSS/JS/SCSS/LESS (Angular, JQuery)
- IIS (Windows Server 2008 R2 – 2016)
- Java (Android / Lucene)
- Joomla / Wordpress
- LINQ
- Microsoft Azure (App Services, Blob Storage, CDN, Document DB, Service Bus, Service Fabric, Table Storage, Web Role, Web Sites, Worker Role) – Architecture, deployment, maintenance
- MS-Deploy
- Objective-C (iOS)
- ODATA v2-v4 (JSON, XML)
- PHP 4-5
- RIA Services
- SQL Server (2008 R2, 2012, 2014)
- SQL Azure (Original, v12)
- VMWare ESX
- WCF Web Services (REST, SOAP)
- WCF Data Services
- XAML (WPF/SL5; POCs using UWP and Xamarin.Forms)

**SAP (Visiprise)****Sr. Software Architect****1999 -2009**

- Bash
- C/C++
- C#/.NET
- Delphi/Pascal
- HTML/CSS/JavaScript
- ICU4J (International Components for Unicode, For Java)
- Java (J2EE / J2ME / JSP) – using Tomcat, Weblogic, Glassfish, SAP Netweaver
- Oracle
- PHP
- VB/VB.NET
- VMWare Workstation

**Creative Loafing/CLN****CLN Manager / Senior Software Engineer/Senior Network Administrator****1998-1999**

- C++ (ATL COM)
- IIS 6
- Java (Applets, Tomcat)
- Microsoft ASP (VBScript)
- Perl
- PHP
- Shockwave (Director, Flash, and Authorware)
- SQL Server 6
- x86 assembly