

## CHRISTOPHER LANE

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### SUMMARY

Innovative leader with over 15 years of experience in information technology, specializing in software development, project management, and cutting-edge technologies. Proficient in designing and implementing n-tier, client/server, and distributed applications. Highly skilled .Net application development using modern DevOps methodologies and software architecture principles. Adept at leading high-performing engineering teams in various industries, including enterprise, small business, and startups. Strong interpersonal skills, self-motivation, and a collaborative approach to problem-solving.

### TECHNICAL SKILLS

#### ***Computer Languages***

Microsoft .Net Framework(1.0–4.6.2) > 12 Years

Microsoft VB.Net(1.0–3.5) – 4 Years

Microsoft C# .Net (1.0–4.5.2) – 10 Years

Microsoft ASP.Net(1.0–4.5.2) – 8 Years

Microsoft VB Script – 3 Years

Java Script – 15 Years

#### ***Operating Systems for Development***

Windows Server 2008 Adv. Server – 8 Years

Windows 3.1 to 10 - 17 Years

UNIX DEC (SCO) – 3 Years

LINUX – 4 Years

MS-DOS – 5 Years

#### ***Other Skills / API's / Frameworks***

Silverlight; XAML, ADO.Net, ADO Entity Frameworks, WCF, WPF, WCF, RIA Services, CGI, Cold Fusion, VBA, TCP/IP, Crystal Reports, MSDOM, COM,MFC, DCOM, LDAP, MAPI, TAPI 2.0-3.0, SAPI 2.0, WinAPI, DotNetNuke, HTML, DHTML,XHTML,CS, IIS 4.0-5.0, MTS, MSMQ, jQuery, Erwin DB,MVC, XML, SVN, Team Foundation Server, Linq, Razor, Knockout, JSON

Jira, GIT

MS Visual Basic 4.0 Through 6.0 – 8 Years

MS Visual C++ and (MFC) – 6 years

C Programming Language – 5 years

Perl 4.0/5.0 – 3 Years

Python 1.0 – 6 Mos.

XML – 8 Years

#### ***Databases and Tools***

Microsoft SQL Server 6.0/2014 – 10 Years

Microsoft Access 2.0/2010 – 9 Years

MySQL – 5 Years.

T-SQL – 5 Years

Microsoft XML,DTS,XSLT,MTS,CDO,ADO,WCF

RDO,DAO,OLEDB – 8 Years

#### ***Application Domain***

Web Application Development – 8 Years

Desktop/GUI Development – 5 Years

CTI Telephony – 5 Years

Process Control – 3 years

Data Acquisition – 8 years

Embedded Systems & PLC – 2 years

## **PROFESSIONAL EXPERIENCE**

### **Senior Software Engineer - Lead**

**05/18-Present, Jack Henry & Associates, Monett, MO**

- Implemented DevOps practices to streamline the development and deployment of secure and efficient legacy webforms applications, addressing security, identity, and access management issues in accordance with OWASP recommendations.
- Developed a code generation/refactoring application using the Roslyn compiler and analysis to modernize legacy code and facilitate seamless integration with cloud-based architectures.
- Designed and executed a prototype Blazor-based solution hosted on Azure, utilizing OpenAPI and OpenID standards, containerization, and microservices architecture for enhanced functionality and security.
- Collaborated with cross-functional teams to ensure the delivery of high-quality software solutions while fostering a culture of continuous improvement and innovation.
- Tech: Azure, Azure DevOps, VS, VS Code, TFS, VB6, VB.Net, C#, .Net Core, Blazor, SQL Server, StrataFrame.

### **Senior Software Architect & Team Leader**

**10/16-5/18, Ability Commerce, Delray Beach, FL**

- Championed the adoption of modern software architecture principles to develop a scalable, cloud-based data service for Ability Commerce's flagship order management system, ensuring minimal changes to the existing codebase.
- Created code generation utilities and implemented continuous integration and continuous delivery (CI/CD) pipelines to streamline the development process and improve the reliability of the client CSLA layer with the new RESTful service layer.
- Designed an MVC-based user management utility that leveraged containerization and microservices for secure administration of user roles and access.
- Mentored and led a team of developers, promoting best practices in DevOps, Agile methodologies, and modern software architecture.
- Tech: Azure, Azure DevOps, VS, VS Code TFS, VB6, VB.Net, C#, .Net Core, Blazor, Sql Server

### **Senior Software Engineer (FT)**

**11/13-09/16 Allin Interactive, Fort Lauderdale, FL**

- Upgraded existing legacy Security and Permissions Management for Allin's Flagship interactive multimedia and entertainment solution. Upgrade provided more granular management of roles and permissions in addition to making a single application installation support multiple hotel properties.
- Ported several legacy system modules to support multiple properties and cloud implementation.
- Completely rewrote a utility used to skin/brand ITV applications making it more efficient and easier to use. The architecture was changed to MVC 5 and took advantage of Dependency Injection, Razor, and other modern development techniques.
- Designed and build a log analysis tool and dashboard. This Win Forms application allowed implementation and QA techs, both local and remote, to access and search all logs. The

dashboard included a performance matrix, charting, query tool, export and printing functionality.

- Provided technical support to colleagues when required and assisted in testing and debugging as new releases became ready.
- Provided end user documentation as required for new development as well as upgrades and changes to existing modules.
- Tech: Visual Studio Ent., SSMS, Xcode, TFS, MSSQL, C#, Java, Objective C, .Net Framework, WinForms, MVC, WCF, AJAX, XML, HTML, CSS, Knockout, JSON, Unity, Razor, Claims Based Security, ASP, jQuery, JavaScript.

### **Senior Developer (Contract)**

#### **Veritas, Sunrise FL**

- Developed Interface to existing enterprise management system that enable editing, import and export of specialized data.
- Wrote application to scrub millions of existing address records and generate valid address using standards as documented by US Postal Service. Application used C#, and SQL Server.
- Developed reports using Microsoft SQL Reporting Services and SSBI.
- Tech: Visual Studio Ent., SSMS, TFS, MSSQL, C#, .Net Framework, WinForms, MVC, HTML, CSS, Knockout, JSON, Razor, ASP, jQuery, JavaScript.
- Net 4.0 Entity Framework, SQL Server, WCF, SOAP and C# .Net 4.0 and Asp.Net 4.0, Linq

### **Senior Developer (FT)**

#### **Zimmerman Advertising, Fort Lauderdale, FL**

- Wrote backend and frontend UI code to support several public facing production websites in Asp.Net 4.5 including required html, JavaScript, Asp, JQuery, C#, SML (Social Markup Language by Involver), FBML (Facebook Markup Language) and Gigya Social API.
- Designed and wrote mini catalog website using required supporting web technologies in addition to MVC, Entity Framework (Code First), Linq, WCF, Razor, C# and more.
- Maintained and updated various front-end issues including those related to JQuery and Ajax..
- Authored various Facebook tabs using JQuery, JSON and FBML and REST Gateways.
- Tech: VS 2012, SQL Server, ASP, JavaScript, JQuery, JSON, XML

### **Senior Programmer (Contract)**

#### **Southeast Toyota / JM Family, Deerfield Beach, FL**

- Member of enterprise support team tasked with maintaining and upgrading existing code and authoring new applications.
- Designed and built solution for automated photography using Nikon's MAID3 API. Software was written in C++,
- Updated and Authored many new stored procedures for various applications.
- Tech: ASP(legacy), ASP.Net 3.5, ASP.Net 3.5, C#.Net 3.5, VB, LINQ, MS SQL Server 2005, MS IIS 6.0., HTML, DHTML, CSS, XHTML, SOAP, XML JavaScript

## **Application Developer**

### **Florida Power & Light, Juno Beach, FL**

- Design and code FPL's ERP solution that handles FPL's work management including plant maintenance, overhaul and regulatory reporting.
- System implemented .Net 2.0, Web Services, MS Workflow Management, MS Best Practices and Pattern's, multi-tier design, application blocks, MS Atlas (AJAX).
- Authored several reports using MS SQL Server Reporting Services, Web Services, Sybase and SQL Server.
- Tech: .Net 2.0 development technologies, ASP.Net 2.0, C#.Net, Sybase, MS SQL Server, MS IIS 6.0., HTML, DHTML, CSS, XHTML, XML, JavaScript

## **Web Applications Developer (1yr Contract)**

### **Office Depot, Fort Lauderdale, FL**

- Ecommerce Web Development
- Computer Telephony and Interactive Voice Response Development
- Tech: Visual Basic, ASP, ADO, XML, JavaScript, SQL Server, AS/400, IIS, MTS, Windows NT, TAPI.

## **Plant Engineer (Perm)**

### **Intermedia Communications, Miami, FL**

- Design, maintain and document plant infrastructure.
- Applications design, that included assessment of client requirements, provide hardware and equipment specifications.
- Provided construction drawings for permitting and implementation, equipment room layout and plant layout using AutoCAD and AutoCad Map.
- Designed and built the companies first Web based GIS mapping system which included digitizing USGS Maps and converting them to vector graphic data. Once the maps were converted to Vector format, AutoCap Map was used to create relational data the correlated to the entities that represented streets, buildings, fiber utilities, equipment rooms, and other GIS related data. This prototype was eventually implemented at the corporate level.
- Tech: AutoCad R12, AutoCad Map, Visual Basic, ASP, ADO, XML, HTML, JavaScript, SQL Server, Windows NT

## Owner

### 01/2003 – 01/2018, SlickSys Development, Palm Beach Gardens, FL

Please Note: I started SlickSys Development as a custom software company. At one point the company employed 6 developers including myself in a 4k sq/ft office to keep up with the workload when predictive dialers were legal. Sadly, that is no longer the case. Other than that period, it's been just myself acting as a freelance developer. The following are some notable projects that serve to highlight work domains.

#### *Navitus Health Solutions – Prescription Data ETL (Web API and Microservices)*

- Contracted to improve failing ETL process that handled 10 of thousands of records for prescription drugs. The original ETL process was failing and often too long or timed out altogether. My solution reduced the processing time to 2 to 5 seconds and dramatically improved the overall reliability.
- Decoupled existing dependencies and wrote a parsing library to parse incoming data on the stack which improved speed dramatically.
- Tech: Visual Basic; Visual C++ (MFC); JavaScript; ASP; XML; ADO; SQL Server. TAPI, MAPI and Win32 API's, VV 5.0; IIS 5.0; LDAP.

#### *St. Jude Childrens Research Hospital (Analytics)*

- Designed and developed analytics solution that allowed researchers to get a much-needed increase in value of their existing research data stored in dozens of spreadsheets and documents.
- Created ETL processes using SQL to gather, analyze and aggregate existing research data into a centralized standard repository.
- Created online user interface hadn't existed at the time, that provided access to the research data in a way that was intuitive and concise and provided analytical insight they might not have otherwise had.
- Tech: Azure, MS Synapse, MS PowerApps and PowerBuilder, SQL

#### *ADT and American Life (Computer Telephony)*

- Designed and produced an Outbound (Predictive) Dialers that interfaced with telephone (POTS) lines and computer to provide automated outbound calls which included agent prompts and call resolution.
- Designed and produced IVR (Interactive Voice Response) Systems including Voice Mail, Predictive dialers, Auto Appointment Confirmation Systems, Web-based POS systems.
- Managed scheduling of work assignments to ensure the effective utilization of available resources. Assisted development team in analyzing problems and identifying and implementing solutions.
- Tech: Visual Basic; Visual C++ (MFC); JavaScript; ASP; XML; ADO; SQL Server. TAPI, MAPI and Win32 API's, VV 5.0; IIS 5.0; LDAP.

#### *Financial - Real-time Options Trading and Analysis (Desktop – MFC, C++)*

- *Designed and developed desktop application that performed real-time analysis of financial provided by Bloomberg and execute trades based on prerequisite pricing set by the user.*
- *Implemented Bloomberg Terminal and API to provide real-time ticker data*
- *Tech : Microsoft C++, MFC Cent OS Linux, Apache Web Server, PHP 5, Cake PHP Framework, JavaScript, CSS, HTML*

## CERTIFICATIONS

**MCPS: Microsoft Certified Professional**

*Microsoft, License F210-7874*



**MS: Programming in C#**

*Microsoft, License F210-7876*



**MCSA: Web Applications**

*Microsoft, License F270-9892*



## EDUCATION

Broward County Community College  
Florida Atlantic University

OSHA, Ft. Lauderdale, FL  
40 hours of Health & Safety Training  
Includes CPR and First Aid Certifications

Broward County Journeyman's Preparation  
Nova Davie Community School

## CERTIFICATES OF COMPETENCY / LICENSES

MCPS: Microsoft Certified Professional  
*Microsoft, License F210-7874*

MS: Programming in C#  
*Microsoft, License F210-7876*

MCSA: Web Applications  
*Microsoft, License F270-9892*

Journeyman / Master Electrician in Broward,  
Dade and Palm Beach Counties (Not Current)