

Jason L. Lind

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Chicagoland Onsite or 100% Remote ONLY

Objective: Seeking Full-Time Perm Placement or Long-Term

Contract as an Architect with responsibilities including:

- Driving the Business and Technical Strategy of the Organization
- Proposal Writing / Pre-Sales
- Mentorship
- Hands on Software Prototyping and Code Reviews

Bio: Jason Lind has more than 25 years of experience of proven technical and management experience with numerous contract and perm positions with industries including:

- Defense and Space
- Financial
- Logistics

Please refer to LinkedIn for the most extensive and up to date version of his experience.

Chief Software Architect Chief Enterprise Architect

"Jason Lind has a superb ability to rapidly build highly extensible back-end and front-end frameworks. He loves to learn new technologies and is always available to teach his peers about the topics he learned. His biggest strength is the fact that he will take an extra step to understand the implications of the technology he is implementing in your product."

- Leszek Zychowski, **Application Development Manager, Hallmark Data Systems**

"Jason is an excellent architect and has a strong ability to come up to speed very quickly with complex business rules and implement them as high quality software solutions."

– Tom McKee, **Vice President, Mesirow Financial**

"... Jason's superior Architectural skills and design knowledge exemplified the best use of the latest .NET 3.5 capabilities and techniques while adhering to industry accepted patterns and practices... His insightful development of Generic based helper functionality dramatically increased developer productivity and provided a new standard for maintainability. Jason is also a prolific researcher and is poised to help companies move to the next level of architectural design..."

– Chuck Goodspeed, **Senior Architect, Northern Trust Bank**

"Jason is the superman of developing a robust layered architecture. I have seen him single handedly wield XML like a lightning-rod through the depths of SQL Server and .NET Enterprises to create performant and malleable solutions. If you are not sure what your architecture should look like, call him. He already knows. He fixed it last week."

– Jeff Rafter, **CIO, Mortgage Industry Standards Maintenance Organization (MISMO)**

"Jason has an excellent knowledge of emerging technology. He can excel in fast-paced environments requiring advanced software design. His best work is in POC environments working out core solution technical challenges."

– Carl Franklin, **Managing Partner and Solutions Architect, TritonTek**

"Jason has worked with me several times in my architecture practice where he helped research emerging technologies and produce technical drawings. He is a self-starter that comes to the table with creative ideas and out of the box thinking. He has a superior intellect and has brought his considerable intelligence to bear on meeting my challenges."

– Jeff Brock, **CEO, iTDept.com**

"Jason consistently demonstrated his excellence in all areas of his work at Freedows, but even more strongly so in terms of project management and conceptual design...Although he sometimes has a very unorthodox way of approaching IT-related and project-related challenges, he is the type of individual that consistently exceeds expectations even in the most demanding (and even hostile) of situations."

– Reece Sellin, **Project Lead, Freedows OS Project**

1991

- Began programming in Logo, qBASIC and Batch

1995

- GeoCities “The Unofficial Simpsons Page” Featured on Yahoo! above Fox’s
- Co-Founded Web Development Shop

1996

- Made equity compensated Community Leader of GeoCities’ /Hollywood Neighborhood

1997

- Became Admin Lead of the 4000+ member Free-dows OS Project

1998

- Began High School
- Started as a Sales Engineer at Milwaukee PC

2000

- Started attending Marquette University as a non-degree student in Math and CS

2001

- Transferred from part-time to full-time standing as a Sophomore at Marquette University majoring in Electrical and Computer Engineering and minoring in Political Science: at age 16
- Became the Treasurer of the Engineering Student Council (ESC)

2002

- Appointed a Computational Mathematician in the Mechanical Engineering Department solving Navier Stokes Differential Equations with applications in Solid Rocket Propulsion
- Developed prototype SaaS application for Mo’s Restaurants
- Began a paid internship at Fortis Health Insurance designing an building applications on .NET 1.0

2003-2004

- Enlisted in the USAF as an auto-E3

2005-2007

- Started as a Senior Software Engineer at a boutique Software House specializing in ASP.NET where I was promoted to Lead after less than a year

2007-2010

- Built out a syndicated web service framework for comScore, consumed by the likes of Yahoo!
- Substantially enhanced and performantized Catastrophic Risk Model for Aon Benfield
- Designed and developed a PoC Silverlight Reporting application for Citadel
- Designed and Developed Distributed Framework Pattern Library of Northern Trust Bank—used by over 800 applications

2011-2016

- Designed and developed multi-model/solution Loan Mortgage Default Projection Engine for Neuberger Berman
- Developed Hedge Fund networking platform AlphaMetrix
- Led Modernization Effort for Guggenheim Partners
- Developed API and migrated an AS/400 to a .NET Service Oriented Architecture
- Designed AI-Pricing Orchestration for UAL

2016-2021

- Took on a basket of small clients
- Founded MultiPlex.studio and led development of several proposals for AFWERX—where we achieved Showcase Status, US Army, USAF Cyberspace Dominance and Undersecretary of Defense for Research and Engineering

2021—Present

- Developeing 3 Blazor+MAUI applications targeting iOS and Android.

Accomplishments

Freelance Architect—USSF
Department of Defense |
2023—Present

Chief Architect
UNofficial CYBERCOM |
2023—Present

Chief Software Architect
Courseware Coach | 2024—Present

Software Architect
Hangman Tours | 2023—Present

Software Architect
Divine Advice | 2023—Present

Software Architect
National Financial Corporation |
2023—Present

Chief Software Architect
watr.exchange | 2019-2023

Enterprise Architect—
State of New Mexico
KPMG | 2021

Coalition Leader
MultiPlex.studio | 2019-2021

Chief Transformation Engineer
mil.API.fit | 2018

Chief Transformation Engineer
Group Bobaloo | 2017-2018

Chief Transformation Engineer
Cyber Safety Harbor | 2018

StratML Working Group Member
3D PDF Consortium | 2017-2018

Lead Architect—Merchandising IT
United Airlines | 2015-2016

Lead Architect
Hallmark Data Systems | 2015

Lead Architect—Asset Management
Guggenheim Partners | 2014

Lead Architect—Currency Trading
Mesirow Financial | 2013

Senior Architect
AlphaMetrix | 2011—2012

Lead Architect—High Yield Fixed Income
Neuberger Berman | 2011

Director of Technology
The Adventurers Club of Chicago |
2006-2011

Senior Architect—
Distributed Frameworks
Northern Trust Bank | 2009-2010

Senior Architect—
Catastrophic Risk Modeling
Aon Benfield | 2007-2009

Senior Architect—
Enterprise Reporting
Citadel Investment Group | 2008

Web Services Architect
comScore | 2007

Lead/Senior Software Engineer
TritonTek | 2005-2007

Enterprise Architect
ITDept | 2004

Airman First Class (E3)
United States Air Force | 2003-2004

Programmer Analyst I
Fortis Health Insurance | 2002-2003

Computational Mathematician
Marquette University Department of Mechanical Engineering | 2002

Chief Software Architect
Mo’s Restaurants | 2002

Senior Sales Engineer
CompUSA | 2001—2002

Sales Engineer
Milwaukee PC | 1998-2001

Project co-Lead/Admin
Freedows OS Project | 1997-2001

Community Leader /Hollywood
Yahoo! GeoCities | 1996-1999

Electronics & Avionics
Air Education Training Command | 2003-2004

- Airman Leader (Green Rope)

Electrical and Computer Engineering Major
Political Science Minor (Junior Standing)
Marquette University | 2000-2002

- National Association of Engineering Student Councils (NAESC)’s Midwest Regional Vice President of Finance
- Marquette University IEEE’s President
- Marquette University Engineering Student Council’s Treasurer and External Committee Chair
- Marquette University—Marquette University High School’s F.I.R.S.T. Robotics Team co-Founder.

Thesis Prosecutor
The John F. Kennedy School of Government at Harvard University | April 2002

- Sat on PhD dissertation panel

Visiting Undergrad
Massachusetts Institute of Technology |
April 2002

High School Student (Junior Complete)
Marquette University High School | 1998-2001

- Portfolio Director of the Investment Club
- co-Captain 2nd in State Chess Team
- co-Founder of the Junior Statesmen of America (JSA) National CIA and first Deputy Director

Client History & Education

Global Ethics in Cyberspace , February 2024

<https://www.linkedin.com/pulse/global-ethics-cyberspace-uncybercom-gjvpc>

An Essay on the role of AI and Ethics in Cyberspace

UNofficial CYBERCOM Articles, February 2024

<http://article.uncyber.space>

The founding documents for Unofficial CYBERCOM.

An Introduction to Transformation Engineering, October 2023

<https://www.linkedin.com/pulse/introduction-transformation-engineering-jason-l-lind/>

Applied cyberwarfare training in ROTC programs.

UTHOUGHT, February 2021

<http://multiplex.studio/files/UTHOUGHT.pdf>

Applied cyberwarfare training in ROTC programs.

Securing the Human Protect Surface, January 2021

<http://multiplex.studio/files/SecuringTheHumanProtectSurface.pdf>

Biomantic design for uniquely identifying humans from their bio-signals employing various COTS and custom wearables to achieve a base beyond the base.

The Development Exchange, October 2020

<http://development.exchange>

Project definition and plan for a platform that federates communication and production tools for superior manifestation via coordination of .org, .com, .gov and .mil.

A Cognitive Cyberwar, September 2020

with Mitchell Maddox & Nick Chadwick

<http://multiplex.studio/files/CognitiveCyberwar.pdf>

Far reaching strategy and design paper on the application of Cognitive Warfare, prepared for USD-R&E's S&T Cyber Roadmap.

Ideal Organizational Theory 2.0, September 2020

<http://multiplex.studio/files/IdealOrganizationalTheory2.pdf>

Theoretical Artificial Intelligence paper that brings formal mathematics to the original 2011 paper. In it I contend the singularity is not computational but cognitive.

Zero Trust Architecture and Innovations, May 2020

<http://multiplex.studio/files/ZTA.pdf>

A brief for USAF Cyberspace Dominance on the state of ZTA.

Multi-Domain Operations (MDO), June 2019

<https://multiplex.studio/files/MDOProposal.pdf>

Fog computing proposal for AFWERX which was selected to present at Fusion 2019.

mil.API.fit, 2018

<https://multiplex.studio/files/mil.api.fit.pdf>

US Army SBIR deploying wearables for enhanced training and safety.

Modulus Fields, 2018

<https://multiplex.studio/files/ModulusFields.pdf>

A novel observation in pure number theory

A Novel Closed Form for Truncated Distributions with Integer Bounds, 2018

<https://multiplex.studio/files/TruncatedStats.pdf>

A very interesting result in statistics and number theory

A System for Goal Oriented Governance, 2009

<https://multiplex.studio/files/GoalStruct.pdf>

Far reaching strategy manifesto

Publications



Software Architect
United States Space Force
Department of Defense
2023–Present

Developed tracking portal in ASP.NET MVC6/C# for weather balloons. Re-architected and implemented solution in less than seven days introducing features such as Live Update (SignalR). Backend is several PostgresDB's. Mentored a DoD contractor on best practices in .NET.



Software Architect
Virtual Walking Tours
Hangman Tours
2023—Present

Designed and developed a MAUI application for virtual walking tours using Azure Synapse Text-to-Speech TTS, Azure AD B2C, Telerik Controls, ReactiveUI, SQL Server Azure, Azure Storage Blob with a Blazor Admin Portal and Web API Services layer. Targeted iOS(iPhone and iPad), macOS (Intel and Apple Silicon), Android (Phone and Tablet) and Windows. Using Stripe for in-app-purchases.



Chief Software Architect
Courseware Coach
2024—Present

Developing a revolutionary AI-Driven Courseware Platform centered around “Coaches” - our vision goes well beyond sporting figures. Using Azure Bot Framework, Azure Cognitive Services (Translation & Speech) and Delphi.ai Clones. ASP.NET Blazor, Telerik, ReactiveUI, Stripe, Azure AD B2C and Azure CosmosDB (DocumentDB).

<https://github.com/jlind0/Courseware.Coach>

Software Architect
National Financial Corporation
2023—Present

National Financial Corporation is in the process of building out a POC targeting retail end points supporting Low-to-Moderate-Income (LMI) individuals. Re-architected an existing ASP.NET WebAPI / NodeJS / Angular 15 / TypeScript application into ASP.NET Blazor with Telerik+ReactiveUI. SQL Server Azure and Azure AD B2C.

https://dev.azure.com/NationalFinancialCorp/Transcend/_git/NFC.Transcend.Client



Chief Architect
UNofficial
CYBERCOM
2023—Present

UNofficial CYBERCOM is a FOSS NGO seeking to deescalate Global Cyber Conflict into Competition. Solidity Decentralized Autonomous Organization (DAO).

<https://github.com/jlind0/UN.CYBERCOM/tree/documents>

Whilst these projects are all active they in total take up roughly 20 hours a week. I am seeking at least another 40 hours per-week of employment

Current Clients



Enterprise Architect
State of New Mexico
KPMG
2021

Performed data and business modeling of NOLAP Canonical Data Model targeting MarkLogic. Converted Visio diagrams into Sparx Enterprise Architect models. Spearheaded effort to influence Federal Standards for Medicaid data modeling.



Lead Architect
Merchandising IT
United Airlines
2015-2016

The Merchandising IT team is responsible for pricing and presentation of non-airfare items through artificial intelligence. As a first order of business I recognized there was no centralized framework team and proposed one to C-Level management where he got permission from his manager to design a proof of concept. I also was instrumental in developing and presenting the proposed architecture to C-Level. The architecture enabled all internal and external channels to leverage these artificially intelligent API's through both REST and SOAP. Once the architecture was realized United Airlines achieved a 30% Quarter over quarter growth in per-seat revenue.



Lead Architect
Asset Management
Guggenheim Partners
2014

Guggenheim had an ad-hoc deployment of Microsoft Office based applications driving their core business and I was brought in to design and implement a singular enterprise platform for this suite based on ASP.NET MVC and SQL Server.



Lead Architect
Currency Trading
Compliance
Mesirow Financial 2013

Mesirow Financial required a system for enforcing Currency Trading Agreements with their clients with regards to FX trades. I led the design of a true greenfield project that represented complex Trading Contracts in a SQL Server Schema complete with mechanisms for history and rollback along with a front end for entering that data.



Senior Architect
Hedge Fund Networking
AlphaMetrix
2011-2012

AlphaMetrix was developing a revolutionary hedge-fund networking application that connected qualified investors with vetted hedge-funds. Basically, a combination of LinkedIn and E*Trade but for multi-millionaires. I was brought in to help bring the project over the hump of the beta release. The project had fast moving and ever-changing requirements, so the application had several novel architecture features including a mechanism for defining pages in an Excel XML editor with the business logic in the database.

NB was in the process of finalizing their new Mortgage Default Projection Model when they hired me and my role was to design the .NET implementation such that it could be plugged into their Mortgage Backed Securities Trading Platform, Bank Mortgage Portfolio Integrity Product and a new line of business called Loan Modification Strategy Fund which purchases distressed debt for pennies on the dollar, modifies the loan to performing and then sells it for \$0.60/\$1.



Lead Architect
High Yield Fixed Income
Neuberger Berman
2011

I was brought into NT to lead the development an enterprise framework to both aid in the migration of 800 applications from 1.1 to 3.5 and be the standard for new applications going forward. In addition to enhanced and environment specific .NET enterprise application blocks loosely based around Microsoft Patterns and Practices' Enterprise Library I developed an application updater/launcher in WPF and contributed to the automated build and deploy process within TFS.



Senior Architect
Distributed Frameworks
Northern Trust
2009-2010

I had two tours of duty at Aon Benfield, first redesigning an ETL tool used to geocode catastrophic risk property level output on massive insurance portfolios and import those into Oracle OBIE. My second tour of duty I was responsible for innovating the entire process. See my design <https://multiplex.studio/files/CatRange.pdf>



Enterprise & Solutions Architect
Catastrophic Risk Modeling
Aon Benfield
2007-2009

Between my stints at Aon I worked at Citadel Investment Group on their EGlue Reporting Platform, when I arrived it was a mature Windows Forms application and I was tasked with creating a read-only web application. At the same time there was a parallel effort to move the EGlue Platform off of .NET Remoting and onto WCF and I architected my end of the solution around that effort.



Senior Solutions Architect
eGlue Reporting Platform
Citadel Investment Group
2008

Major Previous Clients

Unified Modeling Language (UML)

Use Case <> Component <> Deployment
Activity <> Sequence <> State Machine
[Since 2002](#)

Microsoft .NET

Visual Studio <> ASP.NET Core <> ASP.NET Web
Forms <> SignalR <> ASP.NET MVC <> Web API
<> C# <> VB.NET <> Windows Presentation Foun-
dation (WPF) <> UWP <> Windows Forms <> WCF
<> MAUI <> Blazor <> Telerik <> DevExpress
[Since 2002](#)

Microsoft Azure

Cosmos DB (Graph/Gremlin & Document) <>
Functions <> App Services <> Service Bus <> Key
Vault <> DNS
[Since 2017](#)

Microsoft Office 365 (O365)

Exchange <> Word <> Excel <> SharePoint <> Visio
[Since 2008](#)

Sparx Enterprise Architect

UML <> BPMN
[Since 2005](#)

Microsoft SQL Server

Relational <> SSIS <> SSAS <> SSRS
[Since 2002](#)

Team Foundation Server (TFS) /

Visual Studio Online Services / Azure DevOps
[Since 2008](#)

HTML / JavaScript <> CSS <> TypeScript
[Since 1994](#)

XML / XSD / XSLT
[Since 2002](#)

Oracle
8i-12i <> OBIE
[Since 2002](#)

IBM DB2
[Since 2009](#)

Active Directory / Azure AD
[Since 2005](#)

Microsoft O365
Exchange <> Word <> Excel <> PowerPoint <> Visio
<> Outlook <> Access
[Since 2007](#)

Web3 / Blockchain
Solidity <> Nethereum <> Chainlink <> Infura
[Since 2023](#)

Rust & Python
Django <> Tokio <> Warp
[Since 2023](#)

Model-View-ViewModel (MVVM)
Prism <> Community Toolkit <> ReactiveUI
[Since 2012](#)

Microservices
Microsoft Service Fabric <> Azure Web Jobs
[Since 2019](#)

JavaScript Frameworks
jQuery <> Knockout.js <> Angular 15 <> Kendo
[Since 2008](#)

IoC/Dependency Injection
Unity <> Castle Windsor <> Structure Map <>
Microsoft
[Since 2009](#)

Object-Relational-Mapping (ORM)
Entity Framework <> Dapper <> NHibernate
[Since 2010](#)

Messaging Frameworks
Tibco Rendezvous <> MSMQ <> IBM MQ <> Kafka
[Since 2008](#)

Artificial Intelligence
Oracle RTD <> IBM WatsonX <> ChatGPT <>
Azure Synapse <> Matlab Simulink
[Since 2002](#)