**Louis De Grazia**

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**OBJECTIVE: INFORMATION TECHNOLOGY RESOURCE**

**HANDS-ON LEADERSHIP EXPERIENCE DELIVERING AGILE WEB, DESKTOP, MOBILE, AND CLOUD APPLICATIONS**

Seasoned developer with proven hands-on experience in the entire software development lifecycle, from business requirements, budget planning and staffing, wireframe design, and initial prototyping to software release and production support. Demonstrated success in planning and delivering complex applications for the Finance, Oil, and Gas, Transportation, Hedge Funds, Investment Banking, Telecom, and Semiconductor industries. Polished professional with excellent communication skills, always an integral and friendly team player, authorized for work in the US.

**AREAS OF EXPERTISE**

.NET Framework, C#

.NET Core, jQuery

JavaScript, Typescript

CSS, HTML 5, SASS, NodeJS

Telerik, Infragistics, DevExpress

ASP.NET MVC, Web API

Xamarin

Java and Android Studio

XML, JSON, WCF

Kdb, Q

SQL Server, No SQL Databases

WPF, WinForms, VB

Angular, React

Power BI, SSRS, Crystal Reports

VBA, Python, PowerShell

MS Office Add-ins, VSTO

Azure SAAS, PAAS

OSI PI, Machine Learning

**PROFESSIONAL SUMMARY**

**Halliburton**

November 2021 to May 2022

**Baroid Cloud Developer**

Senior developer responsible for the augmentation and enhancement of thick client and Api services focused on maximizing efficiencies in drilling and excavating petroleum world wide.

**Key Contributions**

* Developed an API service to report, search and analyze 15 years of drilling data across 5 systems. Heavy use of JSON, ASP.net, SQL server running on Azure.
* Created interactive surface maps including rock formations and terrain details using Bing, Google Maps and ArcGIS.
* Augmented the Baroid web portal, by upgrading code to take advantage of asynchronous programming. Heavy use of .Net, the Web API and MongoDB, geology attributes a location details using ArcGIS.
* Delivered and maintained a predictive drilling application to provide the business with efficient fluid delivery, drill string features and virtual results to accurately and economically bid for excavation projects.
* Heavy use of **MS DevOps, CI pipelines, SQL Server, WinForms and C#**.
* Operated remotely, part of a global team, following the sun and coordinated efforts across multiple timezones.

**American Bureau of Shipping** June 2019 to November 2021

**Senior Cloud Developer**

Developing web and mobile applications that monitor and track real time vessel routes, predicting structural and equipment anomalies. Cloud governance lead, for both Government and Commercial Azure Clouds, configuring virtual machines, deploying web apps, network access points, thwarting intrusion detection while simultaneously controlling costs. Operating in startup atmosphere, requiring minimal supervision while completing tight and changing deadlines.

**Key Contributions**

* Developed an **ASP.Net MVC SAAS portal**, complete with **SSO** Authentication, a plugin module framework, email capability, user self-service, **SQL Server**, and **Pi Web API** backends, with customizable application features.
* Delivered an IOT solution for anomaly detection and predictive maintenance, ingesting data from ship sensors from Kirby, Chevron, the US Navy and Canadian Navy in Azure, with **FTP, Json, XML, ETL** transforms written in **C#**.
* Heavy use of **MS DevOps, CI pipelines, TFS, SQL Server, CSS, and JavaScript**, **Xamarin, XAML and Android Studio**, **ArcGis**
* **Ported** a Thickness Measuring **Angular JS app to a Xamarin Mobile app** using C#, XAML and a Web API in Azure.
* Interacting with Data Scientists, Engineers, QA, and Business Stakeholders in an **Agile** setting, refining backlogs, predicting project risks, providing recommendations developing quick learning, establishing code reviews, researching new application prototypes, and interviewing technical candidates.
* Created interactive maps for vessel locations using ESRI tools including ArcGIS and Google Maps.

**ExxonMobil**  2019

**Upstream Oil and Gas Developer**

Saved millions by converting legacy software platforms to track and manage software installs globally.

Upgraded Net C# WPF applications from Silverlight to a distributed SAAS in Azure with serverless functions.

* Troubleshot global production outages using C#, using Postman, Wire Shark.
* Developed solutions in Agile sprints with SCRUM and backlog planning, daily standups and rigid SLDC practices.
* Translated **WPF and Silverlight to AngularJS and HTML**. Created Docker Containers in OpenShift to serve Azure Pipelines as a build agent. Established **CI pipelines in Azure DevOps, used Oracle and SQL Server with Visual Studio**.

**Angelo Gordon** 2017 to 2019

**Fixed Income Software Developer**

Part of the Whole Loans Trading Desk, developing an MBS portfolio trading application. Managed daily ETL feeds from Mortgage Servicers and Market Data Providers. Well versed in MBS pricing, portfolio risk, including Foreclosures, REO, Loss Mitigation and Bankruptcies. Created dashboards, grids, search functionality complex workflows to manage a multibillion-dollar portfolio of distressed debt instruments. Operated in a fast paced, time sensitive environment.

**Key Contributions**

* Hands on in WPF and **C# .Net, SQL Server stored procedures and triggers**, Web API and Asp.Net MVC.
* Developed C# service layers to manage roles, schedule tasks, search loan data loan data using **C# and DevExpress**.
* Wrote tools for **FTP and ETL feeds** using **Python** to ingest millions of records of mortgage data.
* Daily enhancement of all applications for high value traders from requirements planning to production release.

**Morgan Stanley** 2012 to 2017

**Structured Products Software Developer**

Part of the **Structured Products Group** (SPG), developing **Fixed Income Trading Platforms**, in a fast paced, large, global team environment. Lead the **Whole Loans Trading Desk** development team operating on Sub Prime debt instruments. Developed time sensitive solutions to capitalize on market opportunities. Well versed in fixed income and equity instruments, multithreading solutions, distributed application architecture and data visualizations.

**Key Contributions**

* Developed **.Net C# real time pricing** services using Bloomberg. Designed a CMO Risk web application, for CMO Fixed and Spec Pool instruments. Enhanced an MBS **Risk Calculator in C#**. Developed a C# service layers to manage roles, schedule tasks, search loan data using **C# and DevExpress**.
* Created PNL and Reconcile solutions for traders to see the individual positions, export Excel and PDF reports, email **PNL** for **SEC Compliance**, eliminating the time delay of back office reconciliation.
* Created an AngularJS Whole Loans Web Portal with **Kdb**, using **JavaScript** and **Q** running on Unix globally.
* Lead developer for LITES, an **Angular** app to manage loan pools, using Kdb and Sybase, front used Slick Grid.
* Developed a whole loans rate sheet management system, RSM, using C#, **WCF** and Excel Add-ins.
* Implemented LEVELS, an application SDK from Standard and Poor’s to rate individual loans using **C++**.

**Credit Suisse** 2011 to 2012

**Fixed Income Software Developer**

Part of the Single Dealer Platform initiative, CSPLUS, with the goal of allowing the banks’ clients to trade multiple products through one web portal, leveraging Credit Suisse's electronic trading businesses across different markets.

**Key Contributions**

* Utilized Lucene for search algorithms, XAML resources for styling, heavy architecture design and planning for a global team of Management Consultants presenting high level Executive Summaries using dashboards and charts.
* Created a web application using MEF, PRISM, HTML 5 canvas, protobuff, Telerik and MVC for traders to trade Treasuries. Utilized Reactive Extensions with MVVM and Silverlight.

**McKinsey & Company** 2010 to 2011

**Senior Software Developer**

Part of a startup inside McKinsey called the Proprietary Knowledge Organization using .Net, MVVM, WCF and SQL server to augment fortune 500 business intelligence dashboards.

**Key Contributions**

* Utilized Lucene for search algorithms, XAML resources for styling, heavy architecture design and planning for a global team of Management Consultants presenting high level Executive Summaries using dashboards and charts.

**Goldman Sachs** 2009 to 2010

**GIR Developer**

Part of the Global Technology Investment Research Division migrating Microsoft Office authoring tools to use WPF. Heavy use of MS Office Add-ins, customizing the Ribbon, Word Styles and creating authoring macros.

**Coatue Hedge Fund** 2006 to 2009

**Systems Designer**

Reporting to the CTO, responsible for entire technology stack. real time trading platform for hedge fund traders and analysts using Atlas, the AJAX Toolkit, ASP.net and SQL Server.

**Key Contributions**

* Worked to grow team from 2 members to 9, supporting asset growth from 0.5 to 2 billion AUM.
* Assisted in increasing the firm’s national footprint, handling technology staff augmentation in a new state.

**Credit Suisse** 2001 to 2006

**Workflow Developer**

Wrote the Equity Research Workflow globally by customizing the MS Outlook platform in MS Exchange, with ASP and a Sybase backend.

**Key Contributions**

* Handled versioning of documents through a workflow system including Legal and Compliance, the Desktop Publishing team, Senior Analysts and Sell Side Research.
* Traveled to Hong Kong and London for implementation and release. Handled SEC rule changes and Congress initiatives including Sarbanes–Oxley Act.
* Consultant for over 5 years, achieving multiple contract extensions at the request of senior management.

**COMMUNITY PARTICIPATION AND MOBILE APPLICATIONS**

**Published Mobile Apps**

**RecycleNJ –** Xamarin Android and **iPhone free app** of New Jersey’s largest database of recycling information.

**AutoBooth –Java with Android Studio paid and free app** using device capabilities includingcameras and printing.

**Open Source Contributions**

[**MVC4 Visual Studio Template**](http://visualstudiogallery.msdn.microsoft.com/62ff2645-513b-4e13-a7c4-b65ea7865407) **- Free** Visual Studio template for MVC and Entity Framework with over 1000 downloads.

**Betterment Fintech Hackathon** - Third place winner for a mobile stock picking game, Stock Chops, using open source APIs from Stock Twits and Xignite for market data, created in 2 days with ASP.Net, Angular JS, and **Facebook Parse**.

**EDUCATION AND CERTIFICATIONS**

**Master’s Degree in Computer Science** CUNY Graduate Center, 2005

**Bachelor of Science in Electrical Engineering** DeVry Institute, 1995

**MSCE, Microsoft Certified Systems Engineer**

MCP + Internet, **Microsoft Certified Provider CCNA, Cisco Certified Networking Associate**