Manny Merino

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Senior full-stack software engineer with a passion for coding and building rich web applications including robust server-side APIs and intuitive client-side user experiences.

EXPERIENCE

Beyondsoft Consulting | *Senior Solutions Architect*

JANUARY 2017 - PRESENT

Part of a hand-selected, specialized team of senior developers focused on building company IP in the area of machine learning and predictive analytics. Chosen for my full stack web development experience, I am in charge of designing and building the web architecture and framework of our SaaS solution using modern web technologies.

○ Design and build a robust, flexible, and secure RESTful API in both JavaScript (Node) and Python (Flask).
○ Build intuitive customer-facing UI/UX with modern JS frameworks (React) and interactive visualizations (D3).
○ Build easy-to-understand Power BI dashboards to surface machine learning / predictive data.
○ Acquire deep knowledge of Azure's RESTful API for extracting consumption and billing data.
○ Automate deployments to AWS using Elastic Beanstalk.
○ Extremely agile environment requiring rapid builds of proof-of-concepts.

Piraeus Consulting *(Acquired by Beyondsoft Consulting, May 2015)* | *Senior Developer*

SEPTEMBER 2007 - PRESENT

Senior developer trusted with all levels of development challenge. Sterling success record combined with enthusiastic client satisfaction has directly resulted in dependable, on-going client engagement and future work. Served as a lead technical resource and mentor for the development team.

○ Built complex web applications with rich UI's utilizing the .NET framework, MVC, JS/jQuery. Data stored in SQL Server served to web pages via MVC / Web API controllers written in C#, consumed on web browsers via Ajax / JSON, and displayed using mix of JS/jQuery and Kendo UI controls.
○ ETL package development with SSIS. Consumption from common sources such as Excel as well as less common sources requiring C# scripting to connect to RESTful APIs and authorization via OAuth2.
○ SQL Server database development involving schema design, DDL scripting of objects, complex stored procedures and functions.
○ Consulting with clients on a regular basis to understand their needs, identify requirements, provide design and mock-ups, and deliver successful projects within the scope and timeline identified.
○ Maintained a top-notch track record of client satisfaction resulting in consistent return work spanning multiple years.
○ Mentor and support development team members to assist with their knowledge and learning.

TMX Aerospace | *Lead Systems Developer*

SEPTEMBER 2003 - SEPTEMBER 2007

○ Migration of back-end databases from Microsoft Access to SQL Server 2005.

SKILLSET

JavaScript

Node.js

TypeScript

C#

D3

React

JSON

HTML5 / CSS3

RESTful API

SQL

Git

Azure

AWS

Power BI

Python

Flask

Jira

Machine Learning

- Use T-SQL to create and maintain views and stored procedures.
- Use of DTS/SSIS for moving data between systems.
- Maintenance of numerous custom front-end applications mostly written in Microsoft Access.
- Integration / reporting with Microsoft Excel.

TeamVision Corporation | *Senior Developer - Integration Services*

JULY 1999 - SEPTEMBER 2002

- Hired on as VB/VBA expert. In-house software (developed using Borland Delphi) is integrated with VBA.
- Write custom VBA to integrate third-party applications into our software.
- Provide support to customers seeking to customize their installation of our software using VBA.
- Early project involved integrating our software with Microsoft Excel, Microsoft Project, SolidWorks, Visio, and Microsoft Outlook.
- Became proficient in the use of the API's of these products and worked through nuances in each in order to allow seamless communication between each via COM.
- Acquired intermediate skills in Borland Delphi 5.0 in order to utilize my integration expertise to natively support Microsoft Project and SolidWorks within our software.
- Additional duties involved learning GIS software, Manifold System, in order to take data produced from large analyses using our software and produce detailed maps for NASA (one of which is hanging on the wall at NASA headquarters in Langley, VA).
- Also wrote a custom application in Visual Basic that combined Microsoft MapPoint functionality with our extensive datasets.

Para/Matrix Solutions, Inc. | *Application Developer / Analyst*

AUGUST 1996 - JULY 1999

- Software consulting company providing custom applications written in Borland Paradox, Borland Delphi, Microsoft Visual Basic, and Microsoft Access.
- Was one of two Microsoft Visual Basic/Access developers.
- Majority of projects were desktop or client/server applications including:
    - Accounting, budget management, order/invoice tracking, and executive information systems
- Maintained good track record of keeping projects on time and on budget.
- Involved in all phases of the development life-cycle:
    - Requirements/Analysis, Design, Development/Programming, Testing/QA, Delivery, Support
- Required daily interaction with clients / users to provide support; obtain application specification requirements; etc.

CTS Language Link | *Information Systems Administrator*

JULY 1993 - JULY 1996

- Maintained and made upgrades to custom-coded accounting-based multi-user Microsoft Access 2.0 application (later upgraded to Access 95).
- Included extensive programming using Access Basic.
- Responsibilities also involved designed queries and reports for financial and statistical analysis, and maintenance of user interface.
- Network administration responsibilities included troubleshooting network errors, application/software errors, hardware issues, etc.