

DARRYL CHALLENGER
darryl.challenger@gmail.com
917 621-6002

.NET SOFTWARE DEVELOPER · SOFTWARE DEVELOPMENT MANAGER

SUMMARY

Multi-faceted engineer making a difference for business, charity, and non-profit clients by improving their business processes using the cloud. Providing software design, development, and integration services to clients. Patient, inquisitive, and determined, helping them refine their requirements to provide the best possible solutions. Extensive experience in the financial sector leading development teams building software infrastructure for Financial Advisor CRM systems. Established and maintained standards for architecture and software development with a proven record of delivering projects in adverse environments. Currently considering software development/leadership opportunities. Offering energy, humor, consistency, integrity, and partnership to any team.

Founder/President, Darryl Challenger Technology Solutions New York, NY, 2017 - Current
FULL STACK DEVELOPER and PROJECT MANAGER

- **Sports Cards Forever** – (Current) Interface with client to document and determine requirements. Manage twice-weekly status meetings. Track activities and timeframes, handle billing. Built secure application with two-way synchronization between eBay and SCF existing backed database. Currently working automating purchasing process. Future projects include Shopify integration, custom front-end for high-value transactions. **Excel, Google Sheets, Word, C#, Razor, Azure, .NET Core, Azure SQL, jQuery, Bootstrap, eBay API, MWS API, Shipstation API, Blazor, OpenXML, JSON**
- **Pink Hub** – (Current) CTO of a startup dedicated to building a platform to help women navigate the breast cancer journey. Manage weekly meetings, Drive application requirements. Mangle interns. Work with CEO to determine funding strategy. **Google Workspace, Office, MS Project, C#, Azure, .NET Core, Azure SQL, jQuery, Umbraco Headless CMS, Bootstrap, React, Typescript, Blazor**
- **NBHD Brulee** – Built site for new neighborhood coffee shop; Set up Bing Places and Google Business profiles (<https://nbhdbrulee.com>). Work with owner and third-party partners to enhance site and marketing perimeter. **ASP.NET/.NET Core, C#, Azure, Razor, MVVM, Bootstrap, SquareUp (Square POS API), JSON**
- **Best Operations and Sales (BOSS) - Operations Platform for Jewelers** – Application to automate operations for independent jewelry manufacturers. Models assembly, tracks inventory and pricing. Reports and worksheets are available online and can be exported to Excel. Capture requirements from owner, manage development and testing cycles. **C#, .NET Framework, jQuery, EF, SQL, OpenXML, Azure**

Morgan Stanley Smith Barney, New York NY, 2010 – 2016

DELIVERY MANAGER, ARCHITECT, and PROJECT MANAGER – Wealth Management Technology

Improved FA efficiency and user experience by leveraging project management, resource management, engagement, and application design skills. Responsible for hiring and maintaining staff, design, technical documentation, testing, implementation, and support in production.

Exchange Sync – a system of services that synchronized Microsoft Exchange tasks and calendar items with 3D Advisor Desktop and vice-versa.

- Organized team of highly technical onshore and offshore developers by chairing service-oriented design (SOA) of load balancing, onboarding, and multi-threading strategy. Worked with DB2 team to design stored procedures. Surpassed expectations of department architects by coordinating and driving design review sessions with department architects. Managed resources, tasks, created project plan using MS Project, supervised performance and quality testing. Satisfied time, scope, and cost constraints by completing project on time, within budget, and properly integrating with both Exchange and 3D without issue.
- Built with object-oriented Exchange **.NET** Streaming Web Services and TPL, the system processed over 2 million subscriptions daily, created/modified over 1 million items monthly, maintained 24x7 availability, and was dramatically more scalable, stable, and efficient than previous 3rd-party system. Messages from 3D to Exchange processed within 3 seconds, messages from Exchange to 3D under 1 minute. **C#, DB2**

Integrated NexJ Contact Relationship Management system into 3D Broker Desktop

Enabled first person-based CRM system by delivering core components linking CRM and financial books/records by designing, implementing, and managing operations for data delivery between corporate systems and 3rd party CRM application.

- Improved user experience by giving FAs quick access to name, address, email, notes, and client relationships, and other demographic data.
- Ensured consumer application was operational by daily 7AM cutoff over 99% of the time; assured the timely consumption of approximately 30,000 client records daily.
- Continuously improved performance and stability by supervising code corrections and data patches with vendor and data providers. Directed vendor to change batch transaction code to be more efficient and improve **Microsoft SQL** Server business logic.
- Discovered/created resolutions to various data issues spanning **Windows, Linux**, and mainframe.

Data Conversion to 3D CRM – Fostered increased FA adoption rate, significantly reduced user complaints, and increased positive feedback by enabling migration from interim NexJ solution to new, in-house CRM.

- Appointed to lead Accenture team contracted to handle mechanics of conversion.
- Communicated information on design and implementation of NexJ as SME of data and application behavior.
- Ensured conversion ran to completion and data validity. Converted over 14 million contact records.

Smith Barney / Citigroup, New York, NY, 1996-2009

TECHNICAL ENGAGEMENT MANAGER, DEVELOPMENT MANAGER, and PROJECT MANAGER

Technology architect expert tasked with the design, construction, and testing of software systems for Smith Barney's Financial Advisor NextGen platform. Technical Engagement Manager and principal liaison to clients, executive management, and team managers regarding project lifecycles from inception to deployment. Accountable for annual budgets ranging from \$2.5 million to upwards of \$5 million. Supervised 15 developers, including 2 project leaders. Oversaw mid-year and end of year employee reviews, bonuses and salary increases.

EDUCATION

Hunter College, New York, NY - Bachelor of Arts Degree, Computer Science, Area of Concentration: Software Verification & Artificial Intelligence

SAMPLE ACHIEVEMENTS

- Won first place prize at 2018 MIT Medical Hackathon Contest. Our team was rewarded for designing a platform to reduce caregiver burnout.
- Managed design, development, and implementation of scalable email synchronization services giving increased productivity and improved experience to all 15,000 Wealth Management Financial Advisors and their staff.
- Managed integrated 3rd-party vendor CRM (NexJ) delivering client demographic data for FAs. Improved user experience of WM's first integrated CRM by giving FAs quick access to name, address, email, notes, and client relationships.
- Increased Advisor efficiency and delivered 100% error-free log on experience through custom GINA to control authentication and authorization to the NextGen integrated desktop. Increased Advisor productivity with single sign on to browser, market data, desktop applications, and mainframe.
- Co led-design and development of Milano software infrastructure which facilitated the migration of the distributed NextGen desktop to a centralized, SOA-based platform.

PROFICIENCIES

Software development, system design, cloud technology, software development management, Microsoft Office, Google Workspace, C#, SQL, HTML5, CSS, JavaScript, jQuery, Bootstrap, Azure, Razor, Blazor, Umbraco, OpenXML, Stripe, PayPal, Selenium, AWS, Alexa, React, Web3, Solidity