

# John (Jay) Peter Crowley

## Business Software Solutions



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London, UK  
Charlotte, NC

Experienced software developer professional with expertise in all phases of the software development lifecycle. Experience managing projects and development teams. Excellent written and verbal communication skills. Expertise in Capital Markets Trading and Analytics Systems. Available for a position designing and developing business software using modern internet technologies.

Skills	Experience
<b>Languages</b>	
Python	
Java	
C#	
C++	
HTML/Javascript	
XML/XSL	
<b>Frameworks</b>	
Quartz	
.Net	
Spring Boot	
Angular	
React	
Flash	
Django	
Android	
<b>Tools</b>	
Visual Studio	
IntelliJ	
Pycharm	
MS SQL Server	
Oracle	
Git	
Node/Npm	
<b>Education</b>	
<b>Rensselaer Polytechnic Institute</b> Troy, NY Bachelor of Science in Computer Science	<b>Bank of America</b> London, UK Charlotte, NC Sep 2015 - Present Nov 2005 - Sep 2015 Director, Programmer Lead - Markets Design, Development, and Team Management in several projects in Capital Markets Trading and Analytics. <b>Back Office Funding</b> <i>Full Stack Developer</i> Development of Back Office Funding application, replacing legacy system. Provides manual funding and automated sweeps for world-wide accounts in multiple currencies, based on cashflow forecasts, integrating with 7 downstream payment systems. <i>Technologies:</i> Java, Spring Boot, Hibernate, Oracle and Angular <b>LIBOR Submission Calculator</b> <i>Designer/Developer</i> Primary designer and developer of LIBOR rate calculator and submission application. Supports regulatory mandated rate waterfall calculator, submission workflow and evidence management for LIBOR benchmark contributions. <i>Technologies:</i> Python, Quartz, and Flask <b>QzFunding Trade Capture and Cash Forecasting</b> <i>Tech Lead</i> Scrum team development lead for FX trade capture with straight-through processing to multiple downstream systems. Design and development of trade blotters, and global cash forecasting reporting tools. QzFunding is the target trade capture application on the Quartz trading platform for domestic and international trading desks in London and throughout Asia for Global Funding and Corporate Investments. Member of Corporate Treasury and Investments Quartz Core team, security approver and training group. <i>Technologies:</i> Python, Quartz <b>Oscar, Bond Structuring Analytics</b> <i>Application Manager/Developer</i> Manager of development and support team for mortgage and asset backed securities structuring analytics tool, primarily for RMBS, ABS and CMBS sectors. Performs cash flow analytics of collateral and bond performance for pricing, yields and risk for original issue of bond sales. Managed major projects to migrate application to platform independent architecture for Windows and Linux, integration into mortgage trading quantitative library. <i>Technologies:</i> C++, MFC, Visual Studio 2010, Linux/G++, Roguewave Stingray

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## Previous Experience

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### **Intercede, Inc**

Charlotte, NC

Director of Information Technology

Lead Architect and Developer of misconduct reporting tool and case management system. Product allows clients to provide employees, contractors and vendors with safe, anonymous reporting tool with management tools and analytics for HR, Legal and Executive teams to manage liability risk and resolution processes.

*Technologies:*

ASP.Net, C#, MS SQL Server 2000

### **Upper Echelon LLC**

Charlotte, NC

Partner

Architecture and Development of custom business software solutions to a variety of clients. Solutions utilized a variety of different technology platforms including Microsoft's C# and .Net Platform, Java, Web and XML technologies.

### **Approach, Inc.**

Valhalla, NY

Senior Consultant

Senior Developer for Microsoft Solutions Provider for outsourced business software solutions. Client/Server and Web Based N-Tier projects with durations between 1 and 12 months. All projects used cutting edge Microsoft solutions.

### **IBM Corporation**

Yorktown Heights, NY

Senior Associate Programmer

Application implementation for desktop deployment and support systems for IBM Research division.