

# Matt Epstein

# Full Stack Engineer

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## CAPABILITY

- Hands on programming experience in multiple languages, platforms, organizations and team sizes.
- Teacher, mentor and global team leader with a passion for detail and quality.
- Precise communicator to technical, non-technical and executive audiences.
- Extensive User Interface development with multiple front-end web, desktop and mobile technologies.
- Enterprise-grade architectural patterns for high volume, scalable and secure platforms.
- Classically trained in and continuously using Java and C# from their beginnings.
- Advanced parallel and multi-threaded algorithm design for non-blocking efficiencies.
- Expert at data extraction and manipulation using SQL or No-SQL data stores.

## EXPERIENCE

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Software Director **Link Technology Group** Valhalla, NY September 2013 Present

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*PepsiCo*

Principle Engineer for mobility applications used for Pepsi's equipment service and warehouse automation.

- Created Model-Driven reference architecture for Xamarin and Java based inventory tracking platform.
- Designed and Implemented a Java Spring REST API to connect iOS devices
- Introduced real-time messaging over 2G cellular on legacy Windows Mobile handheld devices.

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*Aramark*

Overhauled existing mobile and web based route accounting software for Aramark Customer Service.

- Designed and built web-based scenario wizard on Microsoft MVC.Net with Angular bindings and JavaScript UI

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Freelance

September 2015

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*Gigster*

Backend Developer

- Delivered ASP.Net Core API for Nucleus195 research platform including IdentityManager
- Created custom JWT authentication provider for claims-based authorizations in a React UI

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*ShotSense*

Software Engineer for a connected device that measures acceleration of a gunshot for training and analysis.

- Designed and built an Android tablet based User Interface to show projected shots on a target.
- Developed robust real-time duplex communication channel over Bluetooth serial
- Applied fusion matrix over multiple sensor inputs to filter gravity noise from sensitive readings.
- Converted Java Android code with Bluetooth classic to C# Windows Unified Platform and Bluetooth LE for HoloLens

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Director, Technology Applications

**Signature Systems**

New York, NY

February 2011

July, 2013

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*SwiftExchange.Com*

Designed and led development of e-commerce payment platform that allows Consumers to pay with loyalty rewards for merchandise in stores and online

- Directed development of an eCommerce platform by creating reference implementation, mentoring, and reviewing code.
- Produced a Quality Assurance Framework and trained a team of QA Analysts to execute manual and automated tests.
- Defined specifications for a Big-Data Consumer Recognition Engine with the Acxiom Corporation.
- Built and managed a cloud-based data center for development, testing and production at RackSpace and FireHost.
- Managed external resources from offshore, onshore and boutique firms and ensured deliverables met a standard quality.

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Senior Consultant

**NorthPoint Solutions**

New York, NY

September 2008

February 2011

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*DelMar Asset Management*

Led multiple projects with consulting developers to deliver software on-demand at a multi-strategy hedge fund client.

Projects included:

- Real-time Portfolio management system with Profit and Loss (P&L) and Bloomberg market data updates.
- Excel Add-In for risk and multi-factor stress analysis using the Black Sholes model for pricing Options.
- High-volume FIX protocol based order execution platform with direct connection to multinational brokerage desks.
- Web Scraper service to search news websites for special phrases and notify traders with results.
- Data warehousing, process caching, and partition rolling to efficiently store intraday trading data for long-term analysis.

<b>Senior Developer</b>	<b>Ipreo</b>	New York, NY	November 2006	September 2008
<i>Retail New Issue</i>	Revitalized a web-based portal that allowed Retail Investment Bank customers to participate in new issue security deals such as Initial Public Offerings.			
	<ul style="list-style-type: none"> <li>• Redesigned legacy websites for scalability by refactoring, optimizing and caching heavily used components.</li> <li>• Developed and executed Load Runner scripts to simulate volume and analyze performance for bottlenecks.</li> <li>• Replaced legacy Active Directory authentication and authorization framework with lightweight Membership API provider.</li> <li>• Converted legacy Java web application to ASP.Net and integrated existing users with Single Sign On.</li> </ul>			
<b>Senior Analyst</b>	<b>Pepsi Bottling Group</b>	Somers, NY	January 2004	November 2006
<i>Retail Systems</i>	Leveraged experience from PepsiCo to build a company-wide revenue planning system based on sales forecasts gathered from local field offices.			
	<ul style="list-style-type: none"> <li>• Drove a cross-organizational team from PepsiCo and other Pepsi bottlers to create a common sales forecast repository.</li> <li>• Designed and delivered web service based integration and synchronization methods to gather forecasts from field users.</li> <li>• Created reusable suite of test cases and performed load testing with Load Runner to ensure capacity.</li> <li>• Introduced Test Driven Development by organizing training, developing a unit testing framework, and assigning pairs.</li> </ul>			
<b>Consultant</b>	<b>PepsiCo</b>	Valhalla, NY	July 2002	January 2004
<i>Profit Max</i>	Rebuilt and enhanced a desktop forecasting tool which used available data sources to predict the effects of retail sales initiatives .			
	<ul style="list-style-type: none"> <li>• Contributed to the design and development of a desktop forecasting tool capable of sharing data on pricing and strategy.</li> <li>• Supported existing installation packages and developed new automated installation packages with network deployment.</li> </ul>			
<b>System Analyst</b>	<b>BlackHog.com</b>	Sunnyvale, CA	September 2000	July 2001
<i>BlackHog.Com</i>	Contributed to an online marketplace for capital equipment procurement and supplier relationship management.			
	<ul style="list-style-type: none"> <li>• Defined User Interaction, requirements, and system flow based on user interviews, designers and domain experts.</li> <li>• Delivered UML documentation and automated daily publishing of UML model to company intranet</li> <li>• Produced prototype web front-end code to establish behavior of custom designed widgets and User Interfaces</li> </ul>			
<b>Programmer</b>	<b>Naviant Technologies</b>	Rochester, NY	November 1999	September 2000
<i>High Tech Household</i>	Produced a marketing campaign targeting engine by integrating consumer data profiles with available data sources in a Data Warehouse.			
	<ul style="list-style-type: none"> <li>• Defined data flow processes and implemented Extract Translate and Load (ETL) routines for multiple data sources.</li> <li>• Created custom tools to examine large files, fix errors, and verify mappings for long-running processes</li> </ul>			

## EDUCATION

<b>SetFocus</b>	Masters Program, Microsoft Visual Basic.Net	Parsippany, NJ	2002
<b>Rochester Institute of Technology</b>	Bachelor of Science, Information Technology	Rochester, NY	1999

## MENTORING

<b>Plainfield Unified School District</b>	Volunteer Teacher, Intro to Computer Science	Plainfield, NJ	2017
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