# Brendan E. Cunnie

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**2/18-present**        *Senior Software Developer*
**Showtime**
- Redesigned, completed and deployed Manifesto, a batch-oriented file-based program to monitor media files distributed over multiple CDNs.
- Designed and wrote URL Factories, general tools for the team to facilitate locating content manifest files.
- Updated and added datafeeds to transmit content metadata to partners.
- Updated core code that delivers media manifest files to streaming devices.
- Wrote code generation tool to assist in developing Showtime Anytime PPV project.
- Update image selection logic for updated Android and iOS apps.

**5/16-2/18**        *Senior Software Engineer*
**RevTrax**
- Designed and wrote System to transmit retail information over IBM's Universal Behavior Exchange framework.
- Assisted Data Science team, writing utilities, setting coding standards, and coordinating with the software engineering team.
- Gave multiple educational presentations on Java 8, Design Patterns, and Best Practices.
- Wrote sections of LoadToAccounts, system to track discounts on retail spending.
- Designed and wrote HappyTrails, a platform to generate N-tier websites based on an existing schema.
- Wrote PointOfSale, an android app that identifies coupons associated with an individual account

**5/14-4/16**        *Senior Application Engineer*
**Medidata Solutions**
- Migrated reports from a Ruby-based system to an internal reporting framework.
- Added functionality to Balance, Medidata's clinical trial distribution software.  Wrote code to make ad hoc updates to production data.  System is developed in Ruby on Rails.
- Wrote backend for company-wide hackathon programming contest.  Earned second place.
- Earned Recognition Award from Medidata Patent Program.

**5/12-5/14**        *Senior Software Engineer*
**Google**
- Designed and wrote the reporting backend for richmedia event processing.  Written in C++.
- Co-wrote the reporting backend and frontend changes for instream video companion ads.  Written in C++.
- Designed StatsMon, a tool to help predict report generation time, based on historical data.  Prototyped in C++.  Initial data extract written in Dremel, generated by a Python script.
- Wrote QueryMigrator, a tool to upgrade previous generation reports.  Written in Java.

**2/08-05/12**        *Systems Analyst*
**8/07-02/08**        *Consultant*
**Netik LLC**

**Client Support Manager**
- Led team of onshore and offshore support staff to manage ongoing client issues.

**Bank of New York Mellon**
- Wrote ProcessMT565, a program to parse and process SWIFT messages.
- Assisted in updating code for 2011 SWIFT updates.

**Internal**
- Wrote system to extract data from our Support System database to provide status for support, assist projecting future estimates.

**Pershing LLC** – Systems Analyst
- Assisted in writing and reviewing project technical specifications.

- Wrote components to extract, transform and load financial data into Netik's Data Hub/Data Warehouse system.
- Wrote ParseRox, a tool to update XML files used for parsing.
- Updated and developed sql scripts to modify reporting and metadata in the customer's database.

**Scotiabank** – Systems Analyst
- Wrote screens and codebehind to track accounts and fixed income investments.
- Wrote awk scripts to autoupdate code generated by CASE tool.

**SEI** – Systems Analyst
- Wrote and maintained code to extract, transform and load financial data. Assisted with installation and upgrades.

**Bank Leumi** – Assisted in demonstrating system viability, which was required to land $500K sale.
- Assisted with initial scoping of project.

**5/01-8/07**          *Senior Associate*
**CIT**
- Led team that developed CIS, a .NET 2.0 extranet application that allows our clients to view account data, track accounts receivables, request advances and monitor customer information.
  - Planned project, co-wrote Requirements Document, co-architected system, coordinated Testcase documentation, reviewed code. Assigned tasks, tracked team progress.
- Maintained and improved ECCF, the system that credit officers use to track customer credit information.
- Technical Team Leader for Data Access Server, a C++ middleware platform. Migrated the Data Access Server to Windows. Co-designed the Windows-based replacement. Designed logging subsystem. Wrote first version of logging subsystem. Wrote several components.
- Completed and maintained Client Services & Administration, a system that allows account executives to track clients' inventory, assets, cashflow and outstanding loans.
- Coached employees, wrote performance evaluations, provided ongoing feedback.

**2/98-3/01**          *Lead Engineer*
**DoubleClick**
- Improved and maintained AccountingReports, a C++ program that provided raw information used for the quarterly reports of DoubleClick's Media business unit.
- Wrote EMILI, a Java-based automated report generation and emailing system using JDBC and JavaMail APIs.
- Designed and wrote RevenueByAd, a Java Swing application to provide the information used by DoubleClick International Media to calculate revenue.
- Designed DynaSQL a flexible web-based report generation system running on an Apache web server.
- Designed C++ classes to accelerate web-based application development speed.
- Wrote hundreds of SQL queries to extract information from the Oracle database for internal and external customers.
- Wrote Site Compensation Report generator. Report generator was written in Java, and creates reports in XML format.
- Met with internal and external customers to determine requirements.
- Coordinated with other departments as needed to develop new functionality. Prioritized tasks. Provided information to documentation & usability group and customer groups as needed.
- Coached and provided feedback to programmers to encourage them to improve their work habits, code quality, planning, testing and documentation. Wrote performance evaluations.
- Started team to specify and standardize development process.

**2/97- 2/98**          *Senior Consultant*
**JYACC**
- Developed Java menuing system
- Administrative Lead for New York half of Texaco contract team.
  Delegated tasks. Tracked team progress.
  Wrote code. Wrote awk scripts to automate development tasks.
- Migrated reporting system from Bull mainframe to Unix-based Relational DBMS client-server system for Lucent Technologies.

**7/95-1/97**            *Senior Programmer Analyst, Project Manager*
**Reuters**

Lead team that developed the user interface of Torex, the Toronto Stock Exchange Trader Workstation. Torex was written in C++ on Windows.
- Assisted demonstrating solution viability, which was necessary to land contract.
- Negotiated specifications with Toronto Stock Exchange.
- Co-designed system. Wrote most class-level specifications.  Developed code.
- Ensured that all developed software met standards for documentation and maintainability.

Developed DFTmon, a device monitoring system for Reuters' Datafeed Transmitters.
- Interviewed primary customers to determine requirements for DFT monitoring system.
- Wrote prototype of DFTmon.  Wrote most of DFTmon Functional Specifications document.
- Wrote DFTmon user-interface. Wrote DFTmon intermediate classes. Integrated and assisted debugging communications classes.

Development Skills

**Languages:**  Java, Groovy, JavaScript, Ruby, C#, C++, AWK, academic Python
**Operating Systems:** Linux, macOS, Windows

Education

**Baruch College**
MBA Finance, 2005
GPA: 3.86
**Brown University**
BA Computer Science
Published in Brown Classical Journal
**New York University**
Dean's List all four semesters

References available on request.