

# Chris Morris

Principal Consultant at Improving Enterprises

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## Summary

Senior Software Developer with well rounded experience developing object oriented applications for the web and enterprise, process automation and agile practices including test driven development, object oriented design principles and refactoring.

Employed on a wide range of applications including interactive 3D rendering, POS applications, survey authoring, order and timecard processing, unattended Windows services and a public SDK for custom hardware. Roles have included coding, quality assurance including custom integration test automation, team leading and process training.

Portfolio available: <http://clabs.org/resume.htm>

## Specialties

C#, Java, Ruby, Delphi. CVS, SVN, TeamCity. Windows API, WFC, Windows Forms. Web Services, jQuery. SQL Server, Oracle. JUnit, NUnit, Test::Unit, RSpec, Maven, Ant, NAnt, Spring.NET. Eclipse, Visual Studio.

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## Experience

### **Sr. Developer at GameStop**

June 2010 - Present (1 year)

POS Group

- Led a small team to develop a WinForms register application for processing hold requests from GameStop.com. Application included peer data sharing, zero-conf auto-discovery and automatic failover features to reduce WAN traffic and simplify deployment.
- Wrote a register process to transmit inventory updates to GameStop.com.
- Updated custom web browser (IE wrapper) to support functionality in new websites enabled on registers, including implementing a custom file downloader for IE to support PDF display.
- Wrote a package tracker app to track UPS and FedEx shipments.

All register apps are currently running in approximately 4400 domestic stores on multiple registers with no or minimal post-deployment patches.

## Core Services Group

- Assisted development group with WCF services and a Windows Service to process DLC pre-orders and update catalog data from vendors.

- Currently co-leading a Continuous Delivery effort with their Dev, DBA, QA and Ops teams to help improve ALM bottlenecks. This work has included some custom tooling ranging from building and deploying 200+ Visual Studio projects with MSBuild and Workflows, to reporting on build and test status and code quality metrics as well as visualizations of project and assembly dependencies. We're working with NuGet to build an internal artifact repository to help componentize the architecture.

*1 recommendation available upon request*

## **Principal Consultant at Improving Enterprises**

January 2010 - Present (1 year 5 months)

Assist clients in both Java and .NET environments with object-oriented software design and agile processes.

## **Sr. Developer at FedEx Office**

August 2009 - May 2010 (10 months)

Worked with a team of Improving Enterprises consultants on a multi-team project to help merge retail and commercial web products. In addition to coding duties on a Java Web Service, work included establishing and managing continuous integration as well as test and WebLogic deployment automation.

*1 recommendation available upon request*

## **President at cLabs, Inc.**

August 2008 - December 2009 (1 year 5 months)

cLabs, Inc. is my own S-Corp I contracted through until going full-time with Improving Enterprises in January 2010.

## **Sr. Developer at CROSSMARK**

August 2008 - July 2009 (1 year)

Worked with a team of developers on the integration of a business unit acquired from another company. Major contributions included developing two key pieces of the system, the first being a rewrite and enhancement of a survey authoring tool, written in C#/Windows Forms and hosted as an ActiveX control. This piece included object-oriented design and analysis, coding and a full suite of test automation.

The second piece was a web-based survey engine for end-users to execute surveys built by the

builder tool. A custom automated build solution using Rake and MSBuild recompiled code from a Windows Mobile project in order to re-use the same survey engine on the web. Along with the core engine, a stateless wrapper had to be fashioned to allow the single-user, stateful handheld engine to be used in a web environment. Work included a simple UI front-end, using jQuery and ASP.NET Web Services which emulated the feel of the handheld, for the benefit of both survey authors and end-users which could use either the handheld or the web to report the surveys

Re-using the handheld code also benefited the project from a QA perspective, as the test rigs built for the web engine were also helpful in uncovering bugs in the mobile project. The test automation included a rig which analyzed and executed every path through a bank of test surveys, plus a custom load test rig to flush out problems under stress.

Minor contributions included technical oversight at the onset of the project and issue management for the handheld team during a beta period, and a presentation on SOLID Object Design.

*1 recommendation available upon request*

### **Sr. Developer at eInstruction**

December 2003 - July 2008 (4 years 8 months)

OOP design for desktop application originally written in J++ and recently ported to C#. Also responsible for SDK for interfacing with our custom hardware, written in Java and cross-compiled to .NET via IKVM.NET.

In addition, I built from scratch automation infrastructure for unit testing, builds, code reviews, version control (CVSNT), mostly in Ruby. Starting in Fall 2007, transferred continuous integration from custom build automation to TeamCity 3.0. Also started in early 2008 transferring version control to Subversion.

*6 recommendations available upon request*

### **Sr. Developer at Snelling Staffing Services**

February 1999 - December 2003 (4 years 11 months)

Primary Project: DocuTIME Timecard Entry System. Sole developer for most of the project during my time there. DocuTIME is an add-on product to EmpACT for timecard entry and transmission into a custom PeopleSoft import process for cutting paychecks and invoicing. The DocuTIME system included an automated server (multi-threaded NT Service) called DocuTIME Gateway for the processing of incoming data. Applications were written in Delphi with SQL Server and Oracle back-ends. By the end of 2003, over 175,000 timecards and 50 million dollars in money paid had been processed through DocuTIME.

A large percentage of the DocuTIME codebase was retrofitted with automated unit and acceptance tests during my time there.

Other work details available on request.

EmpACT Product Site: <http://www.eempact.com>

*2 recommendations available upon request*

### **Lead Developer at EPRI**

July 1996 - February 1999 (2 years 8 months)

As one of the original developers of TIMS (electric utility application to record, transmit and store inspection data of transmission line assets), I was chiefly responsible for interactive 3D graphics programming and

object-oriented development in Delphi for Versions 1.0 through 2.4. The field app was designed for hand-held pen-based systems. Responsibilities included GUI design and implementation, relational database structure design and implementation, SQL programming, installers, build engineering and eventually lead developer on a team of 5.

TIMS Product Site: <http://www.3-gis.com/products/tims.html>

### **Sr. Programmer Analyst at Associates**

July 1995 - July 1996 (1 year 1 month)

General Microsoft Access and Visual Basic development in support of a few departments. Work included an application to store scanned images of forms for an ordering catalog and a Branch Expense and Analysis application for a team of auditors which included data synchronization between remote databases via a custom add-in library for Access for 2-way replication of database objects (queries, forms, reports).

### **MIS Manager at VideoPlus**

July 1993 - July 1995 (2 years 1 month)

Responsible for all in house development (Visual Basic), Microsoft Access database administration, network administration and software support.

Designed and developed Access System to store reservations for purchased broadcasting time on 2 satellite transponders owned by company. System featured versatile GUI for reviewing reservations. Designed and developed Access application to replace a proprietary Order Entry system. Designed and developed the SDACC System (Satellite Dish Aiming Coordinate Calculation System) in Visual Basic. System calculated dish aiming coordinates based on zip code.

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## Education

### **University of North Texas**

Bachelor of Music in Jazz Studies, 1989 - 1992

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## 11 people have recommended Chris

"Chris goes beyond the developer role to solve difficult problems that most developers would rather avoid. His calm, co-operative style makes him easy to work with. Chris is not just a top developer, he adds value to the entire team."

— **Mike Lee**, *Business Systems Analyst, GameStop*, worked directly with Chris at GameStop

"I worked with Chris for 8 months and found him responsible, diligent and talented. He took on all the dirty jobs and made the dirtiness disappear, both in the code meant for production as well as in the supporting infrastructure. If you have a chance to work with Chris, take it."

— **David Nunn**, *employed, barely*, worked directly with Chris at FedEx Office

"Chris was a pleasure to work with. Although I didn't work directly with him, I was able to have multiple interactions with him, and I found it very profitable. Chris has three qualities that I admire: adept learner, expert on automated integration/unit testing, and a man of principles. Although he lacked experience with some of the web technologies employed at our company, he was able to quickly create a solution for our online survey builder. I was amazed at how fast he was able to incorporate complex, client-side Javascript including AJAX and server-side web services. I also found him to be a great person to dialogue with about automated unit testing. His passion and zeal for unit testing were obvious in all of our conversations and I learned a lot about the importance of unit testing from him. Chris is also a man of integrity. As an independent contractor, it would have been easy for him to charge a set amount of hours per week, but his manager had mentioned to me that Chris was very careful to make sure that every activity was accurate to the quarter hour when logging time. In addition, he was very clear up front that he could only work 40 hours a week. This isn't typical for a contractor, but Chris knew what was best for his family, and I respect that."

— **Todd Meinershagen**, *Director, Application Development, CROSSMARK*, managed Chris indirectly at CROSSMARK

"Chris is an incredible asset to any software development group. His abilities as a programmer are unquestionable, but he brings so much more to the team than just a knack for programming. At eInstruction, Chris was instrumental in raising the bar of both our development methodologies and our Testing practices. He was a major contributor to improving the quality of our flagship application

as well as improving the quality of our processes in general."

— **John Moore**, *V. P. Applications Development (and Development Operations)*, *eInstruction*, managed Chris at *eInstruction*

"Chris is a strong proponent of Agile practices and has been instrumental in getting effective tooling in place at *eInstruction*. I've learned some great Windows Debugging tricks from working with Chris."

— **Tony Mocella**, *Senior Consultant, Improving Enterprises*, worked indirectly for Chris at *eInstruction*

"Chris's work is, quite simply, first-rate. There's no aspect of object-oriented programming that Chris hasn't mastered, from design and architecture, to low-level details. He elevates the quality the developers around him, is collegial and team-oriented, conscientious and ridiculously productive. That pretty much covers it."

— **Dave Sims**, *Senior Developer, eInstruction*, worked directly with Chris at *eInstruction*

"I had the opportunity to utilize some of the work done by Chris. We immediately started a rapport and Chris was always available to address my questions and concerns. I would not have been successful without his support."

— **Craig Neuwirt**, *Principal Consultant, Improving Enterprises*, was with another company when working with Chris at *eInstruction*

"Chris is exactly the kind of software engineer you want on your team: the kind that gets things done at work, but also spends his own time staying up on the latest technologies. I learned a lot from working with Chris while having a blast on the team we both were part of!"

— **Paul Nelson**, *Sr. Software Engineer, eInstruction*, worked directly with Chris at *eInstruction*

"I can easily recommend Chris for being a well rounded developer with expertise in a variety of areas. He's knowledgeable and determined in his self-motivated work producing excellent and thorough solutions to every problem. His enjoyment in technology and drive for improvement help him be an excellent developer exceeding expectations of management and co-workers alike."

— **Bear Cahill**, *Software Engineer, eInstruction*, worked directly with Chris at *eInstruction*

"Chris developed a client server application for Snelling that tied the staffing CRM to PeopleSoft to allow employee time, customer billing information, and adjustments to be entered and interfaced to PeopleSoft Payroll and Billing. The application was used for 8 years and was a great success. Upon implementation the application reduced the time to process payroll and billing in the offices by 40%. Chris is one of the best developers I've worked with over the years and would be a valuable asset to any organization."

— **Robert Wakefield**, *Vice President Information Technology, Snelling and Snelling, Inc.*, managed Chris at Snelling Staffing Services

"Chris is an A candidate with a thirst for learning new technologies. He also has great character, which is breath of fresh air these days"

— **Melanie Kirk mkirk@empx.com**, *President, Recruiter, Empyrean Consulting, Inc.*, managed Chris at Snelling & Snelling, Inc.

[Contact Chris on LinkedIn](#)