

Phil Dennis

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Developer Manager/Lead Profile

Systems Analysis □ *Object Oriented Design* □ *Mentoring*

Self-motivated professional with a proven background developing complex technical projects through all phases, including design, analysis, testing and release. Demonstrated expertise in solving complex technical problems using .NET technology. Extensive technical knowledge, keeping pace with ever-changing tools and technologies. Effective communicator; skilled in relating technical details to non-technical personnel.

Core Competencies

<ul style="list-style-type: none">● Object Oriented Design (SOLID)● Agile Development● Mentoring● C#, Java, C++● ASP.NET	<ul style="list-style-type: none">● HTML● JavaScript● Windows GUI● Web Services● Troubleshooting / Problem Solving
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Professional Experience

Carenet – San Antonio, Texas

2009 to Present

Manager, Systems Development

I am responsible for software architecture and development to support internal users and integration with customer systems. A hands on manager, I spend at least 50% of the time coding, while leading and mentoring a team of 4.

Selected achievements:

- Conceived, championed and led the implementation of a ‘portal’ application to mediate between the telephony system and third party clinical CRM system. Saves at least 100 operational man hours per month and has reduced to effectively zero, the serious error of associating phone calls to the wrong client organization.
- With my team, implemented over 40 integrations with external customer systems. Assisted the client services department in defining requirements, striking a balance between reuse/extraction of standard capabilities and client-specific functionality.
- Systematically introduced automation of new and existing processes, eliminating and estimated 20 hours per month of manual IT tasks
- Incrementally developed a framework within the above-mentioned portal application to support call scripting (context aware prompting and decision trees.) Provides a DSL-like interface, abstracting visual style conventions. Underlying technologies: Windows Presentation Foundation, Windows Communication Foundation, NHibernate, SQL Server
- Performed two upgrades of the core third party clinical CRM system. My role included development for updates to custom integrations, and establishing a temporary environment to

facilitate full-scale end user testing of the new version while allowing development to continue against the prior version.

Over time, I have introduced a number of process improvements:

- Established 'private workspace' development model (each developer workstation has a full isolated system environment)
- Selectively introduced tools, including ReSharper, ORM (NHibernate), Mocking framework
- Expanded use of automated unit testing and introduced automated functional testing (NUnit)
- Mentored my team in architectural decisions and use of SOLID development principles
- Championed and led .NET version upgrade
- Championed and led source control migration
- Influenced the PMO team to move to a more lean development model

Wachovia (formerly World Savings) – San Antonio, Texas

2003 to 2009

Software Development Team Lead (2006 to 2009, Wachovia)

Senior Web Developer (2003 to 2006, World Savings)

- Retained and promoted to Team Lead responsible for architectural decisions, and mentoring members of a team of up to 16 developers. Worked in collaboration with business analysts and testers on system design. Developed system architecture and interfaces with other core business systems, including the design of enterprise web services.
- Conceived and assisted in implementing a .NET tiered architecture for loan origination. This formed the platform for the eventual migration of existing systems and for new systems within the Internet Loan Systems department.
- Worked with the team to deliver a comprehensive redesign of the World Savings wholesale Internet web site using .NET technology and modern design techniques, while retaining compatibility with existing data structures and interfaces
- Co-led a team of up to 16 developers in a project to successfully implement a major new lead management system in .NET within a 6 month timeframe
- Championed and assisted in implementing comprehensive build and deployment automation which has saved large amounts of time, reduced errors and enabled more rapid response to business requests
- Awarded corporate title of Officer based on superior work performance and professionalism

Book Systems, Inc – Huntsville, Alabama

2002 to 2003

Senior Programmer

- I served as a software developer working on Book Systems' core software products which included library automation for school districts. My responsibilities included system design, development, and mentoring and directing the work of others within a team of 8.
- Developed the core architecture for Book System's flagship Atrium library automation product, targeted at the school district level. Technologies included C++, python, and SQL.
- Worked on all aspects of a major upgrade to Book System's Windows-based library automation product. Made extensive use of C++ and the Windows API.
- Worked with one other person to port the underlying database engine of Book Systems' library automation software to support Linux. The database engine was written in C++ and the port included replacing Microsoft-specific libraries with the C++ Standard Template Library. Enabled multiple products and services to be built and cheaply hosted in a server farm environment for Book System's clients.

S C Systems (sole trader) – England, UK

1996 to 2002

Design Engineer / Consultant

- I envisioned the concept for a new shareware product that would increase the download speed of email using a novel technique. I then designed and implemented the concept using object oriented

C++ with multi-threading techniques. Design for supporting e-commerce web site included use of server side programming, SQL, PHP, Java and CGI.

- Absolute IT, Dubai, U.A.E. - I gave advice regarding migration of a client's accounting system and assisted with implementation
- On-board computer for radio controlled model helicopters - I developed an inexpensive device using a microcontroller with sophisticated assembly language software to perform control operations normally done by expensive specialized radio transmitters.

McDermott International Inc – Dubai, United Arab Emirates

1993 to 1996

Programmer Analyst

While at McDermott I worked on a number of successful projects, performing increasingly responsible roles. I gained experience gathering requirements, selecting tools, designing and scheduling the development of complex information management systems.

I also developed a number of frameworks used in the creation of such systems and disseminated good programming practices, object-oriented and data driven techniques.

- I was part of a team of 3 software developers who created a system where data would be captured at multiple international locations and consolidated in London, UK. The system provided information for senior management based on sophisticated forecasting formulas. Tools used for this project included C++, Sybase SQL, PowerBuilder and Lotus Notes. Using OO techniques I developed a user-friendly front-end to the PowerBuilder report engine. The front-end GUI provided full flexibility to choose from available columns and set sort order, grouping, summary calculations and selection criteria.
- I assisted in the final stages of a project, where scanned documents were stored in huge Lotus Notes databases to be distributed on CD-ROMs. My solution to an emergent requirement to provide a unified interface to multiple Notes databases was an intermediate program written in C++ using the Lotus Notes 'C' API and both client and server OLE (ActiveX).
- I worked with a small team to develop software for maintenance and display of schedules, forecasts and pricing for the fabrication facility. Using Clipper, I designed a simple API to be used by report generation programs and implemented a powerful object based report engine.

Education, Credentials and Extra-curricular Activities

Bachelors in Engineering and Computer Science, 1993 – St Peters College Oxford, England – UK

Director of the AlamoCoders .NET user group in San Antonio since 2007 (joint and sole)

Regular attendee of ALT.NET conferences since Austin, 2007

Open source contributor (Moq library)

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Hobbies: remote controlled helicopters, 3D printer technology (MakerBot), amateur musician (keyboard), outdoor activities including hiking, camping and kayaking