Chris Bilson

Skills

- Leading teams and working effectively with product owners
- Agile methods and the engineering practices that support them
- C#, F#, and the .NET platform
- Clojure, java, jruby, and the JVM
- C, C++, ML, OCaml, Assembly Language
- javascript, jQuery, Browser based software
- emacs or vim, I use both

Experience

Milliman,
Seattle, WA,
9/2010 - Present

- Developed new features for Milliman's MG-ALFA desktop application and calc engine (WPF, C#, C++)
- Formed new team to develop web based job management system for running and managing very large distributed jobs on 10's of thousands of cores using Windows Azure (azure, asp.net mvc, c#, knockout.js, coffeescript.)

Parametric,
Seattle, WA,
7/2010 - 9/2010

- Maintained legacy trading and customer account management applications (winforms, c#)

Russell Investments,
Tacoma, WA,
7/2005 - 7/2010

- Developed systems for analyzing equity models and building emulated portfolios
- Assisted in developing derivative and FX portfolio management and hedging systems
- Worked with other senior developers to develop an architecture for Russell, using monorail, jquery, and NHibernate.
- Mentored teammates in agile engineering practices, such as test driven development, continuous integration, one-step builds, and getting more cross-functional with our testers
- Received "Russell Innovtion Award" in 2007 for work on Retirement Distribution Funds.

Security National Servicing Corp.,
Rancho Cordova,
CA, 4 - 7/2005

- Developed contact management application for getting broker price opinions on homes with distressed mortgages
- Introduced the team to test driven development
- All development was on rich clients, built using CSLA.

Credit Union Direct Lending,
Rancho Cordova,
CA, 9/2004 -
4/2005

- Developed asp.net web application for online auto loan application and approval
- Visual Basic
- Javascript
- Introduced the team to test driven development

CIBER, LAW AND JUSTICE DIVISION, SACRAMENTO, CA, 4/2002 - 9/2004

- Developed a criminal case management system for district attorneys
  - Started working on existing ActiveX version of this product
  - Replaced ActiveX with asp.net and hand coded javascript components
- Built a team for our new .NET product
- Mentored team on TDD and continuous integration

SALU / SKINSTORE, GRANITE BAY, CA, 12/2000 - 4/2002

- Developed a prescription writing application for physicians, for the Pocket PC platform
- Helped maintain an ecommerce site for skin care products, skinstore.com
  - Helped get started moving these sites from perlCGI and asp classic to asp.net

ATLANTES, MENLO PARK, CA, 4/2000 - 11/2000

- Developed a web based system for tracking packages and deliveries to secure boxes, using perl, HTML::Mason, and BerkeleyDB.
- Used perl's package testing system for extensive automated unit tests
- Worked with team to maintain automated, nightly, one-step build / integration.

NEC, ROSEVILLE, CA, 6/1999 - 4/2000

- Developed a system for tracking semi-conductor wafers through an automated fab
  - Application was built using MFC
  - Application was load-balanced and integrated into EAB using Tibco Rendezvous messaging middleware.

ATPAC, GRASS VALLEY, CA, 11/1998 - 6/1999

- Developed a web application to automate finding names on scanned title documents
- Developed web application to maintain schedule for county boards of supervisors
- Worked in ASP classic, VB, and C (COM/ATL)

BEYOUNG (NOW REALLUSION), HSINTIEN, TAIWAN, 4/1997 - 11/1998

- Developed educational games for children learning foreign (i.e., not Chinese) languages
- Applications were built using VB3/5, with extensive use of VBXs and ActiveX controls written in C
- Started migrating some of our applications to work on the web

PIONEER TECHNOLOGY, TAIPEI, TAIWAN, 4/1995 - 4/1997

- Developed factory automation and job management software for textile and plastic injection molding factories
- Microsoft Access
- Visual Basic

HONG YEH ENTERPRISES, SANCHUNG, TAIWAN, 6/1994 - 4/1995

- Developed 32-bit extended mode DOS controller software for CNC wire forming machinery
- C, Assembly Language
- PharLap Extender

X-POINT LTD., BANGKOK, THAILAND, 4/1993 - 1/1994

- Installed and customized point of sale and inventory control systems for department stores
- clipper
- dbase

Shiny Plastics LTD., Hsin-chuang, Taiwan, 9/1992 - 1/1993

- Developed document management system for ISO-9000 certification process
- clipper
- dbase
- Microsoft Office automation

Personal Projects / Activities

Seajure (Seattle Clojure User's Group)

- Actively involved in local clojure community.

Seattle ALT.NET Conference 3, 4/9-11/2010

- Organizing workshops for developers on topics ranging from Agile Development practices to functional programming and dynamic languages
- Holding workshop on Test Driven Development

Boise Code Camp, 3/27-28/2010

- Talk: Powershell for Productive Programmers

Olympia Software Craftsmanship Workshop, 6/6/2009

- Working with several other developers to run a day-long workshop for developers, in Olympia, WA, covering:
  - TDD
  - User Stories
  - Sprint vs. Product Backlog
  - Migrating legacy applications
  - Some other agile techns.

Boise Code Camp, 3/28-29/20

- Gave talk on F# for "real" applications, covering how to use F# for more than just the canonical examples (i.e., currying the operator into a function that takes one argument and always adds 5) and showing how it works great for WPF and web applications as well.
- Gave talk on Spark view engine, and using it to generate javascript functions for generating HTML bound to models. Talked about how we at Russell were dealing more and more with complex controller logic in javascript and how client side view rendering technology like Spark helped us move to client side controllers and JSON actions for our web-apps.

Seattle ALT.NET Conference 2, 2/27-3/1/2009

- Helped organize and run wiki for the conference
- Worked with other organizers to keep things running smoothly

South Sound .NET Users Group

- Gave several talks:
  - Monorail, 9/2005
  - TDD, 4/2006
  - Powershell For Productive Programmers, 1/2010
  - Several others

Sacramento .NET Users Group

- Together with Manoj Keechilot, started this group in 2003, left when I moved to Washington in 2005.

Education

Interests

- Functional Programming: clojure, f#, ML
- Automation: build automation, tools, CI/Continuous-Deployment
- Finance and How Businesses Work: I enjoy working with business experts and learning the nuts and bolts of how different businesses work.
- Language Hunting, Chinese Language and culture.

Contact

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