

**Derick Bailey**  
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Hello. My name is Derick Bailey.

I'm a JavaScript developer, a consultant, a mentor, speaker, a published author and so much more.

I've been writing code since 1988, have been a prolific blogger since 2004 and have been delivering world-class training to developers all around the world through on-site classes, screencasts, ebooks, and much much more.

I've spent a lifetime (more than 20 years) building software for leading financial organizations, airlines, the U.S. government, and major software corporations. I've created critical systems for large healthcare organizations, saving them millions of dollars a year. I've helped small-town, independently owned businesses improve their bottom line with simple software solutions and complex process automation.

And I've helped countless developers through sites like Stack Overflow, writing sample code for Microsoft's MSDN library, by publishing dozens of leading open source projects - including the most widely used add-on for Backbone.js, called Marionette.js - and other projects that have made the lives of other developers better.

## My Sites & Profiles

I've build many websites, blogs, applications and other artifacts that have come and gone and some survive. These are some of my more recent and/or current sites and profiles. If you'd like to know more about what I've done in the past, please ask.

Technical Blog

<http://derickbailey.com>

WatchMeCode (screencasts)

<http://www.watchmecode.net>

StackOverflow

<https://stackoverflow.com/users/93448/derick-bailey>

Twitter

<http://twitter.com/dericbailey>  
<http://twitter.com/codeninjagaming>

YouTube

<http://youtube.com/DerickBailey>

Former entrepreneurial podcast

<https://entreprogrammers.com>

## Publications

I am both a self-published and traditionally published author in print (through partnerships with other authors), digital books and magazines, and more. This is a sample of the works I've published.

eBooks

<https://leanpub.com/u/derickbailey>

SOLID Software Development

<http://code-magazine.com/Article.aspx?quickid=1001061>

Git For Subversion Users

<http://www.code-magazine.com/article.aspx?quickid=1105101>

Building .NET Systems with Ruby, Rake and Albacore

<http://code-magazine.com/Article.aspx?QuickID=1006101>

## Projects and Training Material

I'm a developer at heart, and I strongly believe in open source. I've built frameworks that have been used by thousands of developers and millions of users across countless websites. These are a few of the more popular projects I've produced over the years.

Marionette.js for Backbone.js

<http://marionettejs.com>

Albacore

<http://albacorebuild.net>

Open Source Projects and Training Material

<http://github.com/derickbailey>

## Tools, Technologies & Skills

I've worked with many languages, environments, platforms and tool sets over the years. These are only a portion of what I have done. If you have specific requirements in tooling or languages, please ask about my experience within them.

### Languages

JavaScript (browser and Node.js), Ruby, PHP, C#, VB, Bash & command line scripting, various other scripts and languages as needed

### Agile / Lean Software Development

Test Driven Development, Behavior Driven Development, Pair Programming, Continuous Integration  
Iterative / Sprint cycles with short term deliveries and long term releases  
Participation in various communities  
Kanban in software development, with recognition from industry leaders

### Agile Principles and Patterns

Just-In-Time Design, Separation Of Concerns, Dependency Injection, Model-View-Presenter/Controller, SOLID principles, etc.

### General Web Development

HTML, JavaScript, JQuery, CSS, XML, JSON, Bootstrap, and more

## **Back-end / API Development**

Node.js, Express.js, Makeen, Sinatra, Ruby on Rails, ASP.NET (WebForms and MVC), Laravel, etc

## **UI / UX**

Adobe Photoshop, Adobe Illustrator, Adobe Image Ready  
Optimization for Print vs. Web  
Basic knowledge of UI / UX guidelines

## **Enterprise Integration**

Service Oriented Architecture, RabbitMQ, WebSphere MQ, Microsoft MQ, HTTP based web services, REST API Services, etc

## **RDBMS / NOSQL Data Stores**

MongoDB; RavenDB; SQL Server 7, 2000, 2005; MS Access; Oracle 10G; SQLite; MySQL; XML; JSON

## **Other Tools And Technology**

Git and Subversion administration; Trac and Redmine issue management/administration;  
CruiseControl, Hudson, Jenkins continuous integration administration;  
Internet Information Services, nginx, Apache web server administration  
Symbol, Intermec, Psion; handheld devices with barcode scanning and ruggedized features

## **My Professional Work Experience**

While my work history is extensive, the real value comes not from the things I've done in the past but what this allows me to do now. I am not simply a developer with 25 years of doing the same thing. I am a practitioner of continuous education and improvement. Within my work history, you will consistently see growth in both skill set as a developer and a leader, and a tendency to continuously move forward with tool sets.

### **Feb 2014 - Current: Entrepreneur / Independent Consultant**

- Design and develop a medical procedure cost estimation system for a major healthcare network in Texas, using Node.js, Oracle, ASP.NET / IIS, etc
- Design and develop a nightly batch process scheduling system to run the nightly financial data warehousing processes for a major healthcare network in Texas, using RabbitMQ, Node.js, Oracle, MongoDB, etc
- Architect and develop a Netflix-like experience for a major media conglomerate in Hollywood, to provide internal employees access to the shows and movies produced by the company, using Node.js, React.js, MongoDB, etc
- Develop training materials for on-site classes, covering Docker for software and JavaScript developers

- Deliver multiple online webinars covering Docker, various aspects of Node.js and JavaScript, etc
- Continue the evolution and delivery of training materials through WatchMeCode
- eBook publishing, article writing, blogging and other forms of publication
- Traveling the world for speaking engagements and conferences

## **Jan 2013 - Jan 2014: Telerik, Inc.**

### **Developer Advocate**

- Work with customers to solve technical problems with web and other control suites
- Provide consolidated and organized feedback to core development team, from customer input
- Provide working examples to both core development team and customers
- Answer questions on StackOverflow
- Keep a regular blogging schedule
- Contribute to open source projects related to my areas of expertise
- Continuous learning and adoption of other technologies and languages, as related to Telerik's control suites
- Speaking engagements and general outreach to software developers at developer events

## **Nov 2010 – Dec 2012: Independent Consultant**

- JavaScript / Backbone.js / ASP.NET MVC development for RentVillas
- Backbone.js consulting for E-Conomic.com
- Backbone.js training course for OneTechnologies
- Ruby on Rails maintenance for Tabor.edu
- Screencasting for WatchMeCode.net (my site), Pragmatic Press (in progress), and TekPub (starting soon)
- Ruby on Rails and .NET development for a medical system
- C# / ASP.NET MVC for a fantasy football website
- VB.NET / WPF / XAML for aerospace contractor
- Professional Training, Writing, Speaking

## **Nov 2009 – Nov 2010: TrackAbout, Inc.**

### **Senior Software Engineer / Technical Lead**

- Maintenance, enhancement and new development on industry-leading asset tracking software, including web development, back-end logic development, database development, and mobile application development.
- Re-architecting .NET Compact Framework application for Windows CE / Mobile, increasing overall maintainability and enhancement capabilities within the application
- Development of critical features for customer-specific needs, ensuring deadlines and customer needs are met, without sacrificing quality
- Migrating .NET Compact Framework application build scripts from NAnt to Ruby/Rake/Albacore
- Developing and consuming web services to facilitate integration with our direct customers
- Introducing technologies and tools to the team, to facilitate improvements in the development process
- Agile and Lean leadership and evangelist, helping to bring advanced Agile and Lean methodologies and techniques into an already agile company / team

- Evaluating and recommending work management system for the company, and working to continuously improve the development process by making the entire work set visible and understandable.

## **Feb 2006 – Nov 2009: McLane Advanced Technologies, LLC**

### **Senior Software Engineer / Technical Lead**

- Agile and Lean leadership and evangelist, bringing Agile and Lean methodologies and techniques into the company
- Guiding development staff towards Agile, Test Driven Development, and other modern development methodologies and standards
- Development Lead / Manager / Sr Architect, responsible for career growth of web team members, recommending who is put on what projects, and standards development and enforcement
- Enterprise architecture / integration lead for disconnected operations in maintenance system
- Development environment architect – working with I.T. and development staff to create needed infrastructure for development and testing efforts
- Recommend development environment and network systems architectures to support large teams of development staff, including software testing and change management
- Architecture, design, and code recommendations for various projects, including military and government applications
- Lead developer and architect on various projects, with team sizes from 2 up to 20.
- Web Development Technical Leader responsible for day to day task management of web development team, and code/development support for other developers
- R&D new technologies, process, and deliver training to team members on use of new items
- Redesigning and implementing corporate website and parent company web site
- Creation of custom Content Management System (“CMS”) for use in content-based web applications
- Modernization of DOS application into ASP.NET web site
- Design and implement Fielding Team application, to support company training staff scheduling, reporting, etc.
- Implementation of various business frameworks including customized version of CSLA for .NET 2.0 and custom built frameworks for disconnected operations.
- Subversion source control repository administration
- Estimates and proposals for new contracts, including presentations to potential customers
- Database design, development, and administration
- Web server administration
- Introduced new standards and refactorings into legacy systems, to enhance security and code maintainability

## **June 2004 – Feb 2006: SOURCECORP**

### **Lead Application Developer**

- Lead developer in 8 person team, responsible for designing systems in coordination with application architect, distributing development tasks, coordinating timelines with management, and high volume / high risk application development in short time periods.
- Developing websites and Windows applications for various portions of document imaging processes, including contracts for United Airlines, Social Security Administration, Countrywide Home Loans, and other fortune 1,000 companies.

- Substantial portions of high volume, distributed workflow system, including core workflow server, and several workflow applications. (VB.NET, Winforms, Window Services, MSSQL2000, extensive use of .NET Remoting)
- Pocket PC application using Microsoft .NET Compact Framework, for use with Symbol handheld barcode scanner. Integrated into “Physical Tracking” web system to track physical locations of documents as they pass through document imaging process. (ASP.NET, VB.NET, Compact Framework, MSSQL2000, Web Services, Windows Services)
- Custom CD/DVD burning software for searching/viewing document images on disc volumes. Includes encryption of files, and flexibility to produce discs from any data source via plug-in modules that are created for each specific job. (VB.NET, hpCDE SDK, .NET cryptography)
- Extensive customization of existing products for Social Security Administrations (“SSA”) contract, developing new web based products for inclusion in SSA system, integration of multi-site installations into central data store for reporting and analysis purposes. (ASP.NET, VB.NET, MSSQL2000, Windows Services, Web Services)
- Development and maintenance of core entity/business framework (ORM framework) use on many/all projects.
- Development and maintenance of various controls and other reusable components for publishing information to various data stores, tracking errors, executing jobs on a specific schedule, etc.

## **2000-June 2004: Air System Components**

### **Webmaster / Software Developer**

- Research, design and develop engineering application, capable of running on a PC, web, mobile device, etc. (VB.NET, ASP.NET, Winforms, .NET Mobile Devices, SQL Server 2000, Stored Procedures)
- Design & develop multi-brand E-Catalog system for delivery of catalog information across the internet via XML, web services and web pages. (VB.NET, ASP.NET, SQL Server 2000, Stored Procedures, Web Services)
- Design and implement security system and administrative tools for all brand websites. (ASP, SQL Server, Stored Procedures)
- Standardize website technology and development for all brands (ASP, ASP.NET)
- Microsoft Indexing Service for all Intranet/Internet web sites
- Maintain web serves, E-Commerce servers, database servers and Visual Sourcesafe Server
- SQL Server 2000 administration & maintenance (Database design, development, stored procedures, triggers, etc.)
- Miscellaneous engineering & calculation web projects (ASP, ASP.NET)
- Technical support and user documentation for web applications
- Various internal application using VB.NET, ASP.NET, SQL Server 2000, etc.
- Technical interviews for hiring additional web / pc developers
- Company representative to Neospire (web host) Board of Customers
- Implement FrontStep “Customer Center” E-Commerce solution for 3 brands (ASP)
- Integration of AS/400 and MACPAC ERP/MRP system into Intranet/Internet web sites utilizing scheduling software to run data conversions (SQL, ODBC, DB/400)
- Design & implement client/server communication engine, utilizing TCP/IP and XML (VB6)
- Build software installation packages for brand specific pricing applications (InstallShield)
- Research, recommend and purchase software & hardware

## **1999-2000: Colorado Christian University**

### **Assistant Web Programmer**

- Design databases using MS Access and MS SQL 7.0 database systems
- Create intranet/internet web sites using Microsoft Visual Interdev / ASP and IIS
- Intranet/Internet search pages using Microsoft Index Server
- Design and implement MS Visual Basic 6.0 applications
- Assist graphic designer/page designer with pages and graphics
- Assist faculty & staff with design and administration of CCU class intranet web pages

## **1997-1999: KG Computer Sales & Repair, Inc.**

### **Webmaster**

- Design and administer company web sites and customer web pages
- Design databases used for online database connectivity, with MS Access
- Design and administer online inventory tracking system through Cold Fusion Module database programming files
- Design and administer online pricing catalog and custom computer building system
- Design advertisements, banners & signs administration tool

## **1988 - 1997: The Early Years**

My earliest software development experience can be traced back to 1988 when I received a Commodore 64 along with a book on C64 Basic. Software, for me, has been a lifelong journey ever since.

My earliest days of web development started in the mid 90's with Notepad and Netscape Navigator v1.0. Prior to that, I was writing Basic, Turbo Pascal, Assembly language and more, for fun.

I had various small projects in the mid 90's, including a few paid projects from real estate companies, bands, and other local businesses.

## **Education**

Education is the foundation of a strong career - not for the things you learn, but for the process of learning how to learn. As you can see from my work experience, I am still a student - of software development and other aspects of my career and life - after well over 20 years of working professionally. My formal education, however, represents a very different path in my life that has converged recently with the mix of art, software, sound engineering, and more.

## **1999-2000: Colorado Christian University**

- Obtained MCP certification for IIS 4
- Continuing education in business & software development
- Continuing education in music & sound recording technology

## **1997-1999: Central Christian College**

- Associate in Arts Degree – Contemporary Christian Music (Composition Emphasis)

## **1996-1997: McPherson College**

College level programming courses taken as a senior in High School

- Introduction to programming (PASCAL)
- Object Oriented Programming and Data Structures (C++)

## **Professional References**

Out of a respect for privacy I do not provide references unless specifically requested. Please let me know if you require professional references. I will forward the contact information of my references, pending their approval to do so.