

ERIC BUDD

SOFTWARE ENGINEER

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(816) 812 - 0565

References available upon request.

Profile

An experienced developer with a broad background and the ability to deliver, focused on object-oriented design, data modeling, and agile processes.

Skills

Web Programming

Taking advantage of Ruby and Rails to build clean, powerful, and maintainable code.

Data Modeling

Understanding business data and relational systems to build safe, efficient databases.

Agile Development

Using modern development techniques to ensure code quality, correctness, and timeliness.

Programming Languages & Frameworks

Ruby

Ruby on Rails

SQL

Javascript

Node.js

Knockout.js

C#

Testing Libraries

RSpec

Istanbul

Shoulda

Mocha

Test::Unit

Sinon

Processes & Paradigms

Agile Development

Pair Programming

API/Systems Documentation

Remote Working

TDD/BDD

AJAX

OOP

REST

SOA

Other Software

Git

Subversion

Mercurial

jQuery

Prototype

Async

MySQL

MS SQL Server

PostgreSQL

AWS

EC2

S3

Vim

Markdown

DocBook

Linux

OS X

Windows

UnitedLex is a global leader in legal and data solutions

- Built out service layer, exposing RESTful API for other apps' consumption
- Assisted in the architecture and development of a work distribution engine.
- Used Knockout.js to build and modify UI
- Developed suite of unit tests to verify system functionality
- Assisted with performance tuning of legacy system
- Various refactoring, configuration and documentation tasks

Skills: Javascript, Node.js, Knockout.js, Mocha, Sinon, MS SQL Server, Agile, Performance Tuning, RESTful APIs, SSO, Git

readMedia, Inc./MeritPages.com
Software Engineer

June 2012 - August 2014

readMedia helps its customers get attention for their schools, for their students, and for themselves.

- Maintained and implemented new features in existing legacy software
- Assisted in development and debugging of new MeritPages.com product
- Assisted in creation of SOA for primary products
- Developed data warehouse for ad-hoc and customer reporting and graphing
- Implemented code quality thresholds, unit testing, and architecture reviews
- Provided maintenance and support for all aspects of the application

Skills: Ruby, Rails, RSpec, SOA, Data Warehousing, Testing, JQuery, MySQL, AWS, S3, EC2, RDS, Facebook, SSO, Agile, Git

Google (via acquisition)
Software Engineer

September 2011 - June 2012

Google's mission is to organize the world's information and make it universally accessible and useful.

- Implemented Google's Kennedy theming and branding in Zavers' El Paso Proxy Authentication Server.
- Overhauled El Paso branding and flow to integrate with Google services and retailers.
- Added flows and branding for Winn-Dixie and D'Agostino's retailers
- Participated in redeveloping cross-team workflows for development and deployment of Zavers' back-end services
- Developed retailer-specific mobile coupon site
- Implemented SSO authentication integration solution for retailers

Skills: Ruby, Rails, CSS, Java, SOA, UI/UX, Mobile Web, MySQL, SSO, Git

Zavers.com (acquired by Google)

Software Engineer

April 2008 - September 2011

Zavers.com provides a digital coupon platform, integrated at the point of sale, serving the needs of consumers, retailers, and manufacturers.

- Translated business requirements into features and stories.
- Participated in the architecture, design, and implementation of a prototype service in Ruby on Rails.
- Built and maintained a thorough test suite with RSpec, Selenium, Test::Unit and Webrat.
- Assisted in the architecture and development of a scalable SOA implementation with Rails, Sinatra, and Rack.
- Assisted in the development of Capistrano scripts to ease deployment.
- Developed internal tools for testing, monitoring, data generation, and load testing.
- Thoroughly documented public and private APIs and tools.

Skills: Ruby, Rails, RSpec, Selenium, Webrat, MySQL, Capistrano, TDD, Agile, Pair Programming, Performance Tuning, CSS, Markdown, Docbook, Git, Subversion

BensonsLife.com (Freelance)

Software Engineer/Contract

March 2009 - January 2012

BensonsLife.com is a social networking site with a focus on privacy, security, and local communities and groups.

- Translated business requirements into stories and features.
- Architected and implemented business requirements in Ruby on Rails.
- Wrote and maintained a thorough test suite with RSpec and Story Runner.
- Configured and maintained VPSes for all services.
- Configured and maintained all services, including nginx, Subversion, Postfix, and MySQL.
- Wrote and maintained scripts for deploying application code with Capistrano.
- Performed occasional emergency troubleshooting.

Skills: Ruby, Rails, RSpec, MySQL, TDD, Subversion

Grantham Education Corporation

Programming Manager/Senior Programmer (promoted)

July 2006 - April 2008

Grantham University is a nationally-accredited online university providing bachelor's and master's degrees, with a focus on deployed military and nontraditional students.

- Implemented and maintained new system architecture for core business application.
- Managed staff of six developers.
- Developed timelines and project plans for development staff to meet organizational goals.
- Translated business objectives into code requirements.
- Responsible for reporting progress and issues to the business, and for maintaining code and data quality.
- Developed modules to consume APIs and services via SOAP, XML-RPC, REST, FTP and others.
- Led optimization and deployment efforts.

Skills: Ruby, Rails, C#, Python, XML-RPC, SOAP, MySql, MSSQL, Subversion

- Implemented Subversion and Trac for versioning and bug tracking to replace shares and spreadsheets.
- Completed and deployed abandoned core business application, written in C#/.Net.
- Maintained and updated student-facing website, written in classic ASP/VBScript.
- Re-architected core application from the ground up to correct schema, architecture, and code quality.
- Implemented new architecture as a Rails web service, exposing business logic through an XML-RPC API.
- Assisted with moving services and recovering data in the wake of severe business disruption due to Hurricane Katrina.
- Assisted networking/hardware team with maintaining and updating servers, including emergency response, tool evaluation, and penetration analysis.

Skills: Ruby, Rails, C#, Python, XML-RPC, SOAP, MySql, MSSQL, Subversion

SCP Pool Corp./Ascent Consulting
Software Engineer

January 2004 - September 2004

SCP Pool Corp. is the world's largest wholesale distributor of swimming pool supplies.

- Developed, maintained, and supported processes to move data on a nightly basis from the legacy Pick systems to an SQL data warehouse environment and customer systems.
- Managed and administered the transfer of scheduled jobs from PHANTOM to the cron scheduler.
- Maintained and developed reports from the legacy systems and the data warehouse.
- Helped develop back-end validation components for the Web-based E-Commerce system.
- Analyzed and documented the legacy segmented sequential access data files and developed C++ software to retrieve checksums from the data files directly, rather than using the TCL interface.

Skills: C#, C++, Pick Data, SegSAM, MSSQL, Data Warehousing, TCL, AIX

Turning Point Solutions Group

Programmer/System Administrator

June 2000 - December 2003

Turning Point Solutions Group provides complete network and custom software solutions for businesses, organizations and individuals.

- Designed and developed desktop and web applications with C#, Visual Basic 6, Classic ASP, PHP, Microsoft Access, MySQL, and SQL Server:
- Medical: transcription tracking and reporting, pharmaceutical dispensation and tracking, medical device sales tracking, and serial robotics communication.
- Churches: web content development and automation.
- Manufacturing: Automated EDS transactions.
- State and Local Government: Social service reporting and job training and education sites.
- Performed data conversion services for SQL Server (7.0 and 2000), MySQL 3.X, and Microsoft Access from Oracle, Pervasive SQL, Clipper, RPG2, and numerous minor proprietary formats.
- Installed, secured, administered, and maintained web hosting and DNS servers on Windows and Linux

Skills: C#, Visual Basic (4.0-.Net), "Classic" ASP (2.0), PHP, MSSQL, MS Access, MySQL, Data Conversion, EDS, DNS

UniComp, Inc.

Database Developer/Programmer

May 1998 - June 2000

UniComp, Inc. provided database and application development services for small-to-medium businesses.

- Designed and developed database applications for MS-DOS, Windows 9X and SCO Unix platforms using a variety of tools, including Informix-SQL, C, Visual Basic, and Microsoft Access.
- Developed software and databases for a variety of industries, including hospitality, retail, trucking, and hospice care.
- Developed hand-held data collection for ruggedized Telxon and Radix devices in C and Assembly.
- Developed remote floodgate control with Visual Basic communicating to hardware relays.
- Provided technical documentation and on-site training for end-users and developers.

Skills: Visual Basic, C, Delphi, Informix-SQL, MS Access, SCO Unix, Telxon Handheld, Radix Handheld

Ctrl-C.club

<http://ctrl-c.club>

Ctrl-C Club is a Linux server offering free SSH and web accounts to users who want to build webpages, chat online, learn Linux, play text console games, or practice writing software.

- Owner and primary administrator
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Spree

<http://spreecommerce.com/>

An open source online commerce solution built with Ruby on Rails

- Added inventory features and layout changes
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Grep-Fu gem

<https://github.com/Calamitous/grep-fu/tree/master>

A very fast, Rails-oriented command-line helper script for grep

- Primary developer
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PDF-Writer library

<http://ruby-pdf.rubyforge.org/pdf-writer>

A library for creating PDF documents using only native Ruby libraries

- Contributed formatting feature and minor bugfixes
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Mustard Gas (HN3)

<https://github.com/Calamitous/MustardGas>

A Google Chrome extension for displaying the top 3 news items from Hacker News
(<http://news.ycombinator.com>)

- Primary developer
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BucketWise

<https://github.com/jamis/bucketwise>

A web-based personal finance manager with a focus on non-OCD budgeting and avoiding credit card debt

- Minor configuration and resource handling corrections (not upstreamed)
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Chicken Little

https://github.com/Calamitous/chicken_little

A remote web server monitoring script written in Ruby

- Primary developer
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Tinderbox

<http://rubyforge.org/projects/tinderbox>

A Gnome GUI for Campfire chat (<http://www.campfirenow.com>)

- Primary developer
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Bouken

<https://github.com/Calamitous/bouken>

A simple branching path game engine in Ruby

- Primary developer
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gTDL

<http://sourceforge.net/projects/gtdl>

A Gnome GUI treeview front-end for the "tdl" command-line to-do list

- Primary developer

Education

University of Southwestern Louisiana

Computer Science, Business Track

Attended Summer 1993, Fall 1996 to Fall 1998

Louisiana College

English and Computer Science

Attended Summer 1991, Fall 1992 to Spring 1996

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