

Nathaniel Steven Henry Brown
nshb@inimit.com
604-724-6624

Objective

To guide organizations through leveraging Open Source technology to reduce costs and provide sound architecture enhancements while identifying new ways of process automation.

Qualifications

While leading several teams of developers and strategizing business goals and ambitions, I have been able to develop my skills and serve as a very crucial component of any team I have been apart of. I have earned the experience required to accomplish and complete a multitude of technical solutions for some of the worlds largest personalities and corporations such as Jennifer Aniston, World Weightlifting Championships Organization, Intersport, Sport 2000, Novartis, BC Liberals, BC Government Caucus, BC MLA's, CPH, Clariant, and Via Networks.

I have encountered almost every facet of the technology industry through the core areas including; development, relational database management systems, web hosting (www, FTP, DNS, and mail), system administration & networking, web and print design, as well as ensuring a solid promotion for websites to ensure a publicly known and successful launch of completed projects.

Enterprise Application Development

Systems and Architecture
Content Management Systems
Digital Asset Management Systems
E-Commerce Processing
Web Top Publishing
Banner Management Systems
Newsletter & Mailing Lists Systems
Search Engine Optimization

Common Functionality

- ACL, privilege based authentication
- Infinite level of category navigation and asset storage
- Integrated secure credit card processing

- Multi language and multi currency
- Layout and template structure
- Easy to use web interfaces and WYSIWYG editors
- Object Oriented Programming methodologies

Accomplishments

- Founder of Canada on Rails, <http://canadaonrails.com>
- Organizer of two highly successful Open Source conferences through OS Events
- Founder of Vancouver Ruby Association, <http://vanruby.com>
- Founder of Vancouver Vegetarian Community, <http://vanveg.com>

Speaking

AJAX and Ruby on Rails JavaScript Templates (RJS) - December 6th, 2006

Ruby on Rails is the framework of choice when it comes to building the next generation web application. With an integrated JavaScript templating language called RJS, you are able to dynamically create JavaScript with ease with the use of Ruby. No longer do you have to manditorily use XML to have the AJAX functionality you crave. By using the RJS templates within the last major release of Ruby on Rails, you are able to directly use server-side variables such as data stored in sessions, to write your JavaScript and update elements on the fly.

Nathaniel will demonstrate the native functionality of the RJS templating library, and demonstrate some useful examples of how you can take advantage of this major milestone in streamlining your application development process.

--

Getting Started with Ruby and Rails - September 8th, 2006

Beginning with Ruby, then onto the framework of Ruby on Rails. This course will get you started with Rails from the least common denominator, but will give even 99.9% of the experienced Rails developers one of the most profound undiscovered secrets yet. This course will be a start to finish run down of all the corners of the Rails world, and leave you the knowledge of where you can explore deeper.

--

Getting Really Started with Rails - July 26th, 2006

<http://slidewheel.com/deck/show/12>

Nathaniel took the ~70 attendees that attended this FREE workshop put on in part with VanRuby through the intricacies of Ruby on Rails and demonstrated all the core features of the framework.

--

Talk on CSS Layouts at Vancouver Web 2.0 Forum - September 27th, 2005

With the advent of CSS based templates becoming more and more a requirement for deployment, changing the mindset from a table centric paradigm to a more open and flexible CSS based layout can be a somewhat daunting task.

--

Talk on Eclipse IDE to the Vancouver PHP Association - August 12th, 2004

Eclipse is an open source integrated development environment (IDE) which can be used with CVS (Concurrent Versioning System) to develop integrated applications. I went over how to setup your work environment including exporting and importing projects / modules into the CVS system to allow for the ability to share them amongst all the developers of your company. Press was received by Xored Software who produces TruStudio PHP plug-in for Eclipse. Slides are available at <http://eclipse.nshb.net>.

--

Talk on PEAR::DB to the Vancouver PHP Association - May 8th, 2003

I had the distinct honor of presenting to the VANPUG the database abstraction package offered by PEAR. The talk on PEAR::DB illustrated general and advanced functionality which also included reasons pros and cons on implementing an abstraction of any type for PHP. Prior to my talk, the creator of PHP, Rasmus Lerdorf spoke on general PHP tips and tricks on April 17th. Numerous other notable presenters frequent the User Group to provide their experience and knowledge.

Professional Skills

- Programming
 - Expert with Ruby on Rails
 - Plugin Architecture
 - Engine Architecture

- Embedded AJAX functionality
- Expert with PHP
 - Extensive OOP architecture principles
 - User permission and session management
 - E-commerce transaction integration for processing credit cards
 - Automated graphic manipulation using ImageMagick and GD libraries
- Extensive experience with application architecture and the ability to integrate applications with cohesive technologies
 - Expert with DOM & DHTML (Core AJAX Technology)
 - Expert with JavaScript / Jscript
 - Expert with MVC Methodology
 - Expert with HTML / XHTML (4.0 / 1.0 & 1.1)
 - Expert with CSS based on the 2.1 W3C spec
 - Expert with web standards (W3C)
 - Expert Search Engine Optimization techniques
 - Advanced experience with Ruby
 - Experienced with ActionScript and Dynamic Data Streams (XML)
 - Experienced with RSS / XML
 - ASP / VB.net - Automating windows processes to perform automated functionality.
- Working knowledge of PERL & Bash
- Management
 - Conference / Event management and co-ordination
 - Plesk Server Management
 - Visio & Omnigraffle Diagrams
 - SR & ED Grant Acceptance and Documentation
 - Executive and Technical Documentation, Proposals, Tutorials, and RFP's
 - QuickBooks Professional Accounting
 - Eclipse IDE Training
 - Subversion architecture design, deployment and management
 - SVK versioning system for mirroring repositories
 - CVS architecture design, deployment and management
 - Microsoft PowerPoint
 - Staff training on new procedures and guidelines
 - Web site analysis and objective strategy formulation
- Design
 - Adobe Photoshop, Illustrator, Streamline, and InDesign
 - QuarkXpress
 - Macromedia Flash
- Databases
 - Advanced experience with PostgreSQL
 - Expert with MySQL design and administration
 - Expert with data model architecture for large enterprise applications
 - Optimization of MySQL performance on UNIX environments

- Entity relationship diagrams
- Relational database design
- Architecting scalable data models for large growth
- PHPMyAdmin / PHPPgAdmin
- Import / Export of data with custom integrity validation
- Systems Administration
 - Expert with Mac OS X
 - Expert with Redhat / Fedora
 - Expert with FreeBSD
 - Expert with Windows 98 / 2000 / XP
 - Expert with IIS / NT / 2003
 - Experienced with Solaris 9
 - UNIX Software and Daemons
 - Apache, Sendmail, Postfix, Qmail, BIND, OpenSSL, OpenSSH, VSFTPD, Analog, ImageMagick, AWStats, Freetype, LibPNG, LibJPEG, bash, SED, xargs, CVS, GCC, grep, MRTG, screen, sudo, Nessus, wget, xinetd/inetd., AWK, SED, IPFW, IPTABLES, Samba, Squid Caching, IPFW, IPSEC, OpenSwan / VPN, Courier IMAP

Open Source Development and Customization Experience

- Toolbawks, Ruby on Rails, Rails Engines, Substruct, osCommerce, oscMax, PostNuke, Xaraya, Midgard, phpList, Drupal, phpWebsite, phpBB, dotProject, phpAdsNew, FuseBox, ImageMagick, phpMyAdmin, phpDocumentor, TruStudio (Eclipse), FCK Editor, PEAR:DB, Adodb, phpGallery

Date: January 2001 - Present

Company: Inimit Innovations Inc. is a full service technology firm specializing in providing clientele with custom application development. Through the core offerings, which include; AJAX development, CSS coding, eCommerce architecture, custom application development, relational database design and implementation, website and print design, and customized managed hosting.

Role: Founder, President

Projects / Accomplishments

- External project management for teams up to 30 people
- Architect enterprise applications (eCommerce, CMS, Digital Asset Management, Desktop Publishing)
- Technical and IT strategy management to company executives
- Designed and conveyed technical specifications to developers
- Manage all client domains for which all web hosting services were required
- Performed all invoicing and collected outstanding funds from clients

- Developed all core features and prototypes for application development projects which required maximum ROI
- Specified, designed and conveyed technical specifications to developers
- Recruit, interview, and manage developers while identifying role requirements, writing job postings, as well as training and incorporating them into the team once identified as successful team members.
- Facilitate developer meetings to discuss company goals and any concerns developers have to ensure all needs are surfaced and addressed
- Managed multiple application development teams (Java, AppleScript, .NET, Rails, PHP, AJAX, CSS, Designers)

Previous Job Experience

Date: October 2004 - Present

Company: Open Source Events is a organization created to help bring high level experience that is engaged every day by the most important representatives of technology into an atmosphere where professionals and technology enthusiasts can learn from the experts depth of personal knowledge. This is done through workshops, conferences, and seminars. Attendance for these events have reached as high as 300 people, from all over the world.

Role: Founder, President

Projects / Accomplishments

- Organized speakers to give presentations such as Rasmus Lerdorf (Creator of PHP), David Hansson (Creator of Ruby on Rails), and Bruce Perens (Open Source advocate)
- Designed business strategy
- Designed website and branding (Content Management System, eCommerce ticket sales, Newsletter)
- Organizing sponsorship from leading organizations
- Marketing the event to leading media entities
- Locating the venue including negotiating and securing contracts
- Project Management of volunteers and organizers
- Sold out Canada on Rails conference with 300 attendees
- Managing speaker hospialities: hotel, airfare, transportation

Date: August 2001 - June 2003

Company: Backbone Technology Inc. has developed a proprietary content management system (CMS) with an embed framework of E-Commerce. The software powered over 30 notable enterprise level clients throughout North America. Through the use of the CMS & E-Commerce application, which was developed using PHP and MySQL, clients have had the ability to maintain their website with ease through a secure administration panel on the web which can be accessed from any internet connection globally.

Role: Director of Software Development

Projects / Accomplishments

- Implemented an application version release standard for the suite of applications Backbone offered.
- Directing the growth of PHP and MySQL applications
 - Implemented versioning standards for software releases
 - Designing and implementing feature additions to applications
 - Defined a coding standard to ensure a static methodology for all PHP programmers
- Maintained and lead all facets of the E-Commerce division
 - Drew technical specifications and developed core application features such as customer registration, shopping cart, wish list, and newsletters
 - Researched and developed dynamic reporting system for all refund and sales transactions to enable staff to view and download CSV's
 - Implemented real-time purchase and refund transactions integrated with a 3rd party API.

Date: December 2000 - April 2001

Company: MyCityRadio was a leading edge streaming media company providing a range of stations online. There were three full time broadcasts daily running from 8am to 8pm. RiotRadio, CityJazz, and MyCityTalk which all incorporated unique aspects in their own. RiotRadio was a hip radio station focusing on Rap & Hip Hop as well as different tastes of Rock, CityJazz focused strictly on Jazz, while MyCityTalk had a numerous amount of talk show hosts that interviewed some of the most talked about people in Vancouver today.

Role: Director of Information Technology

Projects / Accomplishments

- Analyzed network traffic and produced executive reports for analysis
- Represented and governed online technical components
- Produced multiple internal proposals for design and development

- Budgeted and took features under analysis all core internet providers for a new OC3 backbone into the main office on West Georgia, Vancouver.
- Mediated between the existing technical solutions company on aspects regarding to development for the new website
- Proposed new concepts for revenue to the marketing department
- Serviced local office as well as remote computer hardware for printer / file sharing, configuration of new desktops, as well as other miscellaneous frequent trouble shooting.
- Defined specifications and wrote the prototype for delivering advertising based on a target demographic
- Developed the system which delivered live new from a 3rd party news feed provider

Sample Websites

Canada on Rails - www.canadaonrails.org

- Art Direction for Brand and Site Design
- Website Development
 - Ruby on Rails, AJAX, CSS, PostgreSQL, Ferrett (Ruby version of Lucence)

Rails Workshops - www.railsworkshops.com

- Branding and Site Design
- Website Development
- Standards based CSS / XHTML
- Custom Module Deployment
- RSS Feed Technology

Inimit Innovations Inc. - www.inimit.com

- Branding and Site Design
- Website Development
- Standards based CSS / XHTML
- Simplified User Interface Model Design

Toolbawks DateTime Widget - <http://datetime.toolbocks.com>

- Designed the AJAX Code
- Interfaced with Rails as an Engine

More websites and application interfaces available upon request.