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# Ryan Rentfro's Resume

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## Objective

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My career objective is to assist a company in reaching their long term goals by utilizing my 17 years' experience in design, software development, and engineering. I am a very experienced designer, engineer, and manager. I have worked on many dynamic, demanding, and difficult projects.

## Experience

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**2013-Current**

**Oceanfront Labs**

**Project Manager**

- In charge of all aspects of project management from project planning to deployment.
- Design of software user interfaces and page layouts.
- Design of customizations to 3<sup>rd</sup> party applications such as Wordpress, PHPBB, and other content management web applications.
- Management of web hosting servers running CentOS, Apache, PHP, Ruby, Python, MySQL.
- Assisted in sales leads, sales meetings, proposals, quotes, site content, and other administrative and executive responsibilities.
- Integration of sites with social media services such as facebook, twitter, youtube, google+, linked in, and more services.
- Assisted in management of social media advertising campaigns.
- Management of site SEO and content optimizations for customers as well as reporting of related topics to cover to expand on

**2008-2013**

**KMCIS Inc.**

**Software Engineer/Support Analyst**

- Developed product and custom code for the CaseAware case management system that is used by Law Firms, corporations, state governments, and Banks across the United States.
- Developed code under strict legal and internal guidelines to specific standards outlined by the legal industry and state/federal law. All application code was written to very rigorous coding standards and practices outlined by the development team and maintained absolute through the entire application code base.
- Developed code to ensure Linux and Windows compliance and compatibility with A grade browsers across all desktop systems.
- Responsible for HLD (High level design) documentation, planning, data dictionaries, and ERD's (entity relationship models) for customer and internal projects.
- Participated in all parts of the software product life cycle – development, peer review, versioning, patching, and deployment.

- Responsible for assisting customers with integration projects from various vendors and service providers utilizing COM, soap, and xml web service interfaces.
- Assisted and supported customers during the entire life cycle of software ownership.
- Responsible for systems monitoring, troubleshooting, documentation, and reporting of issues at customer locations.
- **Technologies used daily:** PHP4/5, SQL, Apache, MySQL 4/5, IIS, Redhat Linux, Ubuntu Linux.
- **Software used daily:** SFTP, CVS, SSH, VI, Windows XP – 7, OS X, Xubuntu.
- **Example Clients:** Bound by Non-Disclosure agreements. Our clients are some of the largest law firms, corporations, and banks in the United States. We have customers in all 50 states.

2006-2008

Jweb New Media Inc

Software Engineer

- Managed projects from point of client agreement and assisted in planning of technical documentation including functional specifications, sitemaps, object models, and other various planning materials.
- Software and Application Design to client's specific needs. Projects ranging from basic CMS systems to full-blown Web 2.0 Applications similar to desktop applications.
- Implementation of Front-End designs utilizing XHTML, CSS, and JavaScript.
- In charge of implementing in-house and 3<sup>rd</sup> party libraries, frameworks, and modules.
- Porting of existing legacy software to modern PHP5 ORM and MVC applications.
- Utilized version control systems, deployment systems, and testing systems on a daily basis.
- In charge of reporting, tracking, and resolving issues within new and existing software projects that I was tasked with managing.
- **Technologies used daily:** PHP5, XHTML, CSS, Apache, XML, SQL/MySQL, and JavaScript.
- **Software used daily:** Cent OS, SuSE Enterprise, Microsoft Windows, Apple OS X, Photoshop, Dreamweaver, Zend Studio, SSH, SFTP, Subversion, TRAC, and misc. server administration tools.
- **Example Clients:** Accent International, Herndon Products, Henges Interiors, The Fabric Co., UMSL, and many others.

2002-2006

Nugen Software Inc.

Project Manager

- Design of custom web applications utilizing multiple web languages, operating systems, and web technologies.
- Design of database architecture and functionality for application data storage.
- Web page layout, graphic design, and interface design. Including UI, component, and object design.
- Middleware development and integration for web based software applications.
- Managed security and upkeep of high speed unix based web servers and software level security standardization.
- Managed all aspects of software product research, design, and development. Including project management, software design, software development, and software deployment.
- **Technologies used daily:** PHP4, XHTML, CSS, Apache, XML, SQL/MySQL, and JavaScript.

- **Software used daily:** Redhat Linux, Microsoft Windows, Apple OS X, Photoshop, Dreamweaver, SSH, FTP, POP3, SMTP, and misc. server administration tools.
- **Example clients:** Humane Society of Missouri, Washington University, UMSL, St. Louis History Museum, St. Louis Contemporary Art Museum, YMCA, Boys Hope Girls Hope.

2001-2002

AT&T Inc.

Network Engineer

- Support and maintenance of the world's largest and fastest network.
- Development and management of groupware applications.
- Migration of @Home network nodes to ATTBI's new infrastructure.
- Design of specialized web tools, integrations, and interfaces.
- Management of ongoing network, server issues, and maintenance.
- Advanced knowledge of high speed network interfaces, routers, and optical line equipment.
- **Technologies used daily:** PHP3/PHP4, XHTML, CSS, SQL, Ruby, Python, Apache, DHCP, DNS, SNMP, routing, switching, load balancing, and various other high-speed network and server related technologies.
- **Software used daily:** Misc. custom groupware tools, Sun Solaris, Microsoft Windows, SCO Unix., Unix System 5, Remedy, Cisco IOS, Oracle, and HP Openview.

1999-2001

Design Systems Inc.

Systems Manager

- Administrator of Windows NT4 BackOffice networks in central office and satellite locations.
- Managed all software/hardware research, purchasing, and installation. Interfaced with company vendors and finalized sales.
- Managed all office equipment maintenance and repairs.
- Developed and managed company intranet and many custom built software applications ranging from simple engineering tools to dynamic web application integrations.
- Managed ISO 9001 Certification qualification for all IT outlets.
- Serviced and installed all hardware ranging from enterprise class servers to network routers and beyond.
- Installed and managed all licensed software as well as maintained upkeep of all workstations for multiple locations.
- Assembled custom workstations to production specifications based on individual needs.
- Intranet development utilizing PHP, MySQL, and Apache.
- **Technologies used daily:** DHCP, DNS, Domain controllers and backup controllers, routing, switching, highspeed networking equipment, PHP, MySQL, Apache, XHTML, CSS, JavaScript, VB Script, and Visual Basic.
- **Software used daily:** Microsoft Windows / Windows Server, Microsoft Office, Lotus Domino Server, Lotus Notes, and AutoCAD.

- Complete design of corporate enterprise web sites from the ground up.
- Graphical design for new sites and updating of existing interfaces.
- Background programming for web applications and database connectivity.
- **Technology used daily:** LDML, PERL, HTML, CSS, and JavaScript.
- **Software used daily:** Photoshop, Dreamweaver, Microsoft Windows, Apple OS, and Filemaker Pro

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## Past and Current Personal Projects and Achievements

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- **Midwest Drum and Bass (1999-2003)**
  - Launched the United States largest website for Drum and Bass music (1999-2003)
  - 45,000+ members, 125,000+ monthly visitors, 5,500,000 page views.
  - Consistent monthly Ad Revenue from Google Ads
  - 200Gb file repository for music, photos, and other related user submitted content.
  - 18Gb database for content management, file management, user/artist profiles.
  - Top 5 ranked internet radio station for genre of music.
- **Elements Of Bass (2004 – Current)**
  - New website for publishing music and events from friends and artists that were involved in Midwest Drum and Bass.
  - 100Gb of file storage containing live recordings, released records, and free music.
  - Leverages new Project Starfish code (details below).
  - Project distributes and accepts content from other users and web/social services.
- **DNB Radio (Developer on project) (2008 – Current)**
  - World's second largest and most popular online radio station for the genre of music.
  - 650,000+ visitors a month, 12+ million page views per month, radio station averages 280-600+ listeners from around the world.
- **Rend Framework Software Project (2000-2004)**
  - Large scale PHP4 application framework for rapid application development.
  - Tools that allowed rapid development of database design and patterns that allowed modular code to be automatically generated for database and functionality abstraction.
  - Secure framework leveraging protection against XSS, SQL injection, and other common web attacks.
  - Many successful applications were launched and developed with this framework for freelance clients as well as commercial clients.
- **Project Starfish – Open Source PHP5 Framework (2007 – Current)**
  - MVC Hybrid framework built for rapid modular development.
  - 100% PHP5 Object Model code - no procedural code is used at all.
  - Leverages advanced design patterns that allow the application to operate efficiently and only execute and include code required for the modules execution.

- Leverages Javascript libraries to rapidly develop and deploy javascript object code. Javascript uses the same ideas and models as the modular framework and has AJAX connections to allow communication of components.
- Pre-Builds content leveraging the Smarty Template Engine.
- Utilizes CSS and Javascript compiling and streamlining to load internal and external CSS and Javascript as single requests. The template engine compiles CSS required for different modules as well as the base sites CSS so that bloat doesn't occur and common aspects are cached.
- Utilizes advanced security and permission system leveraging XML and file/module based security permissions and checks to ensure that execution flow is secure.
- Easily communicates and integrates with Facebook, Twitter, Youtube, Soundcloud, and various other web services and social networks. Uses a built in web proxy to allow javascript to communicate with PHP and external services.
- Sites can self-analyze allowing the software to create indexes of searchable and ranked content.
- Event system that allows modules to create hooks and listen to what other modules broadcast. This allows other components of the system to take action and load based on the operation of other modules.
- Automatically manages file management and file classification. Meaning a file fields can be restricted easily to the files they allow to be uploaded. Once a file is uploaded it can be verified that its mime types match the file requirements. Images can also be classified for size and either automatically scaled appropriately or rejected. All images are automatically thumb nailed at defined scales.
- **Audio Production** (1997 – Current)
  - Fully experienced working as both a producer and engineer.
  - 5 current records released. 1 full album, 4 EP's available in stores such as itunes, amazon, google play, beatport, and more.
  - Have recorded and produced in commercial recording studios including assisting in the production and finalizing of mix downs.
  - Capable of mastering audio and full understanding of audio dynamics and related science.
  - Have trained other producers and engineers on various software, instruments, and theory/science of music and synthesizers.
  - Have built a number of modular subtractive synthesizers, effects processors, and granular samplers custom developed for my projects.

## Education

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1997-1999

Sanford Brown College

Programming

- Computer Programming and Logic Solving
- Systems Administration

## Skills and Experience

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### Programming Languages (Active Only)

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- PHP (4 through 5 and PHP5 OOP)
- JavaScript
- XML / XHTML
- CSS
- SQL
- VB .NET / C# .NET

### Development and Design Tools

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- NuSphere PHPEd
- Zend Studio
- Eclipse
- CVS
- Subversion
- ANT Deployment
- Visual Studio
- Multiple Open Source compilers
- Photoshop 3.x – CS5
- Cinema 4D
- Premiere CS3 - CS5
- Adobe Bridge / Version Cue

### Server Tools and Applications

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- Apache 1.3x, Apache 2, Apache 2.2
- MySQL 3, MySQL4, MySQL 5, MySQL 6
- mod\_security, mod\_rewrite, curl, GDlib, Imagemagick etc.
- TRAC

### Server Operating Systems

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- CentOS
- Redhat Enterprise
- SuSE Enterprise
- FreeBSD
- Solaris
- OS X
- Windows / Windows Server

### Workstation Operating Systems

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- OS X
- Windows XP, Windows Vista, Windows 7
- Ubuntu / XUbuntu

### Example Code

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- Over the past 4 years I have developed a scalable modular MVC hybrid framework that leverages a number of advanced technologies to rapidly develop and deploy secure / rich functional Web 2.0 applications. This code is available upon request for review.