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OVERVIEW

- 16 years of solid software development experience.
- I possess a broad skill-set which allows me to choose the correct solutions and technologies to solve problems.
- Language Expertise: C#, PHP, Java, C, Perl, VB.NET, ASP.NET, Python, Bash Shell, AWK, Sed, SQL, JavaScript/HTML/CSS and more.
- Frameworks: ASP.NET MVC, AngularJS, Doctrine ORM, CSLA, .NET, Hibernate
- Server Expertise**:** Linux, Microsoft Windows, Apache, MySQL, Microsoft SQL Server, IIS, Subversion, etc...
- I've programmed in many problem domains: UI front-end / data persistence (multi-tiered, transactional), automated code deployments, B2B communication (XML/XSLT/EDI), ActiveRecord ORM development, RDBMS data archiving, automated file exchange (FTP/SFTP), shell scripting, automated system monitoring.
- I have strong Linux/Unix and Microsoft Windows administration skills as well as strong networking skills.
- I have configuration management experience (source control management/administration (Git/Github, Subversion), build management, deployment automation (Jenkins), Automated Testing (NUnit, Sikuli , etc...)
- I'm an object-oriented programmer with a strong emphasis on writing highly reusable and highly maintainable code.
- I work very well independently and on single-person projects. I also work well in a team environment. I communicate well, am helpful, and keep interested parties informed on the status of my efforts.
- I am highly self-trainable.
- I have experience working with overseas clients and developers.

EXPERIENCE PROFILE

2008 to 2016
Chandler, AZ

GLYNLYON, INC.

Software Developer
- As a WordPress/PHP developer, I built and maintained several public facing sites. The software was developed using PHP, JavaScript, jQuery, HTML and CSS. The e-commerce sites used Magento. Other sites used WordPress in a Pantheon environment. Source code was maintained in Subversion and Git repositories. I built and maintained a custom WebService proxy in PHP so the WordPress sites could generate leads in the Microsoft CRM server.

- I was a member of a software development team that develops and maintains a learning management system (LMS) (grades 3 through 12). The user interface is written in HTML, CSS, JavaScript and jQuery. The business tier is written in PHP with a custom-built MVC framework. It uses Doctrine as an object-relational mapper to interface with a MySQL back-end.

- I also supported and developed a similar software product that uses Microsoft and open source technologies. For back-end operations, we use SQL Server 2005/2008 accessed through direct ODBC calls and through a Web Services interface. The business tier is developed in C# and VB.NET. The front end is chiefly comprised of HTML/CSS, jQuery and WinForms. Multimedia offerings, such as videos and games, are implemented in Flash and HTML5. Reports are implemented in Crystal Reports. We use Subversion and Git for source control.

- Working with the Curriculum Development department, I wrote scripts to automate the file management, validation, correction, reporting, source control management (Subversion), and deployment (server and CD) of a vast number of XML files. This is done using Bash, Python, Visual Basic and C#.

- My database administrative activities include creating and maintaining scripts written in Bash and Python to automate the code-generation of SQL scripts which perform the task of database schema migrations. I also maintain a GUI utility which allows tech-support and customers to easily perform database administrative tasks against production databases.

2001 to 2008
Tempe, AZ

DIRECT ALLIANCE CORPORATION

Software Developer

- I was team-lead of a department which develops, maintains and optimizes a 3-tiered, internationalized, web-based, telesales ERP system for a large overseas client. It is a large system with multiple functional areas including order entry, fulfillment, accounting, account management and human resources. The system uses HTML, CSS, JavaScript, ASP and ASP.NET for its UI tier. Visual Basic COM DLL's and C# managed DLL's in a COM+ application are used as the business tier. Stored procedures running on a MS SQL Server database provided the data layer. Microsoft SQL Server replication is used to maintain a separate database used for reports implemented with ActiveReports. The system also has a B2B ordering interface which accepts XML data (through HTTP POST's) for order placement. Fulfillment is accomplished by an EDI interface with suppliers. It fulfills 300-600 orders a day.
- I wrote a desktop application to automate the source control management (CVS and Subversion) and source code deployment of several web and text-based applications for several different clients. The software also maintains time metrics on SCM and QA personnel, maintains data related to the software changes being deployed, and reported on its data in text or Excel formats. The software was implemented in C# (WinForms). I wrote an ORM based on CSLA

(Business Objects) to automated common CRUD tasks. I used a MySQL database for data persistence.

- I maintained a Perl middleware program in a Linux environment responsible for file transfers (usually over FTP or SFTP) from servers in external networks to local servers and visa-versa. The files contain different type of high priority business data such as database extracts, TSR call data, EDI data and so on.
- I wrote a Perl program to replicate Subversion commit deltas from one Subversion data store to another to provide a redundant repository in the case of a failure.
- I wrote software to archive sales order records (along with child records from hundreds of child tables) to an archive database server. The software is composed of two programs: A C# WinForm application to configure the archiving process and a daemon program to archive the data.
- I maintained an internal website responsible for managing the communication between different departments and clients during major system failures such as a website outage. The system was written in ASP.NET and used Microsoft SQL Server as a back-end.
- I maintained a Forte3 (ERP) system written in IMS/BASIC in Linux and SCO UNIX environment for several different clients. The system provided many business functions such as: accounts receivable/payable, order entry, fulfillment and so on. The code is managed using a CVS repository.

2000 to 2001
Phoenix, AZ

ITMETRIXX

Database Developer
- I developed a ticketing system to be utilized from various locations for Sun Health, Inc., a major corporation with multiple client sites. This project included use of Microsoft Access interfacing with a MySQL back-end running on a Linux platform. The system effectively managed entry of hardware hot swap orders and technical support issues.
- I trained end-users and peers in various technical procedures.

1998 to 2000
Phoenix, AZ

INACOM

Database Application Developer
- Wrote software to manage warehouse inventory and track technical issues. System was implemented in Microsoft Access.
- I wrote a system for Human Resources operations. System was written in Microsoft Access and used Excel Automation for reporting.

1998
Tempe, AZ

MICROAGE

Technical Consultant
- I diagnosed connectivity problems for US West ADSL routers in the technical support department. Performed advanced troubleshooting daily.
- I interacted extensively with US West customers to identify issues.
- I performed sales activities to secure new business for DSL routers.

INDEPENDENT PROJECTS

- **PHPBO:** An ORM implemented in PHP intended to free PHP developers from most database manipulation tasks (DML) as well as database definition tasks (DDL). It also provides a framework which makes the use of ActiveRecord "business objects" (similar to those in CSLA) convenient to implement and use. It uses MDB2 as its database library so it supports a large number of database back-ends. The software was written in a Linux environment.

- **NPlay:** Software written in PHP used to manage a movie database. It provides a web-based user interface, real time events monitoring using Unix named pipes, a BBS, and so on. It uses PHPBO (see above) for data access and business object management. The software was written in a LAMP (Linux, Apache, MySQL, PHP) environment.

- **CDP:** An automated reasoning program under development implemented in C in a Linux environment using gcc, gdb and make.

- **PYBO**: A similar effort to PHPBO written in Python instead of PHP.

- **PyWid:** A tool-kit/widgets library written in Python to make creating Curses/TUI based interfaces in Python easier.