Jesse Hogan

Software Developer
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Objective
Highly skilled software developer with a passion for writing high-quality, highly maintainable, and well-designed code. Seeking opportunities to advance into a software architect, team lead, or managerial role, where I can leverage my exceptional abilities in object-oriented design, data modeling, and code reuse to make impactful contributions and drive long-term success. Committed to making informed decisions that optimize code efficiency, scalability, and maintainability, ensuring sustainable solutions for the future. With over 2 decades of experience, I am dedicated to delivering innovative software solutions that meet and exceed industry standards. Targeting positions that employ PHP, .NET, and/or Python technologies to create cutting-edge applications and drive business growth.

Overview
Highly skilled software developer with over 2 decades of solid experience in delivering exceptional solutions. My broad skill-set enables me to select the most effective solutions and technologies to tackle complex challenges. Proficient in a wide range of programming languages, including C#, PHP, Java, C, Perl, VB.NET, ASP.NET, Python, Bash Shell, AWK, Sed, SQL, JavaScript, HTML, and CSS.

Familiarity with various frameworks such as Laravel, Zend, Apollo GraphQL, AngularJS, Vue.js, Doctrine ORM, and Hibernate. Adept in server technologies, spanning Linux, Microsoft Windows, Apache, MySQL, Microsoft SQL Server, IIS, Subversion, Git, and more.

Demonstrated programming experience across diverse problem domains, from UI front-end and data persistence (multi-tiered, transactional) to automated code deployments, B2B communication (XML/XSLT/EDI), ActiveRecord ORM development, RDBMS data archiving, automated file exchange (FTP/SFTP), shell scripting, and automated system monitoring.

Possess strong Linux/Unix and Microsoft Windows administration skills, coupled with robust networking expertise. Experienced in configuration management, encompassing source control management and administration (Git/Github, Subversion), build management, deployment automation (Jenkins), and Automated Testing (PHPUnit, NUnit, Sikuli, etc.).

As an object-oriented programmer, I place significant emphasis on crafting highly reusable and maintainable code. Known for my ability to excel both independently and within team environments. Effective communication skills, keeping stakeholders informed on project progress. Highly self-trainable, continuously staying up-to-date with emerging technologies. Proven experience collaborating with overseas clients and developers to deliver successful projects.

Authorized to work in the US for any employer

Work Experience

Senior Software Developer
Spear Education - Scottsdale, AZ
2016 to August 2023

• Spearheaded the development of new features and played a pivotal role in maintaining all aspects of Spear Education's public-facing website, an essential platform for delivering cutting-edge dental education.

• Contributed to the creation of a comprehensive range of courses covering diverse aspects of dental care, utilizing live events, online courses, and multimedia resources. Empowered dental professionals with up-to-date techniques and technologies within the field.

• Demonstrated expertise in an array of languages including PHP, TypeScript, JavaScript, HTML, and CSS, leveraging them to architect and develop the website. Employed a microservices-based architecture that enhanced scalability and maintainability.

• Utilized a variety of frontend frameworks including AngularJS, Vue.js, vanilla JavaScript, and jQuery, ensuring an intuitive and responsive user experience. Employed backend frameworks like Zend Framework, Laravel, and Apollo GraphQL for seamless data processing and management.

• Orchestrated the website's deployment and hosting on AWS infrastructure, harnessing services such as EC2 instances, RDS (MySQL), S3, and CloudWatch. Implemented Docker containers to establish efficient Linux (Alpine) environments.

• Effectively integrated the website with a multifaceted backend ecosystem, comprising an ERP system, data warehouse, Spear Practice Solutions (SPS) site, and multiple 3rd party services like Pendo, MapBox, SendGrid, and Twilio.

• Championed Agile methodologies to steer work efforts, facilitating streamlined development and rapid iterations. Leveraged continuous integration practices for seamless feature rollouts.

• Played an integral role in source control management and code reviews through Git and GitHub, ensuring collaborative development and maintaining code quality through pull requests.

Software Developer
Glynlyon Inc. - Chandler, AZ
May 2009 to April 2016

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.

Software Developer
DIRECT ALLIANCE CORPORATION - Tempe, AZ
2001 to 2008

I was team-lead of a department which develops, maintains and optimizes a 3-tiered, internationalized, web-based, telesales ERP system for an 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 maintain 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 MySQL for database back-ends.

I maintained a Forte3 (ERP) system written in IMS/BASIC in Linux and SCO UNIX environment for several different clients. The system provide many business functions such as: accounts receivable/payable, order entry, fulfillment and so on. The code is managed using a CVS repository.

Database Developer
ITMETRIXX - Phoenix, AZ
2000 to 2001

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.

Database Application Developer
INACOM - Phoenix, AZ
1998 to 2000

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.

Technical Consultant
MICROAGE - Tempe, AZ
1998 to 1998

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.

Skills

- Language Expertise: C#, PHP, C, Perl, VB.NET, ASP.NET, Python, Bash Shell, AWK, Sed, SQL, JavaScript/HTML/CSS (9 years)

- Frameworks: ASP.NET MVC, AngularJS, Doctrine ORM, CSLA, .NET, Hibernate (9 years)

- Server Expertise: Linux, Microsoft Windows, Apache, MySQL, Microsoft SQL Server, IIS, Subversion (9 years)

- I've programmed in many problem domains: ERP, CRM, learning management systems (LMS), front-end, back-end (multi-tiered, transactional), automated code deployments, B2B communication (XML/ XSLT/EDI), Active Record ORM development, RDBMS data archiving, automated file exchange (FTP/ SFTP), shell scripting and automated system monitoring (9 years)

- I have strong Linux/Unix and Microsoft Windows administration skills as well as strong networking skills (9 years)

- I have configuration management experience (source control management/administration (Git/ Github, Subversion), build management, deployment automation (Jenkins), Automated Testing (NUnit, Sikuli , etc...) (9 years)

- I'm an object-oriented programmer with a strong emphasis on writing highly reusable and highly maintainable code. (9 years)

- 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. (9 years)

- I am highly self-trainable. (9 years)

- I have experience working with overseas clients and developers. (9 years)

- I have significant training in AngularJS, Drupal, and Java development. (9 years)

Links

https://github.com/jhogan

https://jessehogan0.com

Certifications and Licenses

Lynda.com Certifications List
Present

http://www.lynda.com/AllCertificates/User/1319380

This is a list of all the courses I have completed.

Additional Information

Professional References provided upon request.