William P. Moran Jr.

1222 Love St.
Pittsburgh PA, 15218
412-478-1992 (cell)
wmoran@potentialtech.com

A more complete resume is available on LinkedIn: http://www.linkedin.com/in/williammoranjr1

References available upon request.

Overall:

I am a full stack developer with a broad skillset seeking a position where my extensive experience, desire to work with a team, and drive to create great software can be beneficial and rewarded.

Skillset:

Management

- Four years experience managing small teams using agile development techniques; including planning sprints, running team meetings, and coordinating with other teams and product owners.
- Two years experience as a Senior DBA, coordinating database operations with many teams in a large organization. Including upgrades, performance assurance, development support, and disaster recovery.
- Seven years experience using revision control systems to coordinate inter- and intra-team development. While I'm competent with Subversion and Git, I also spent time working with release engineers and devops to understand the procedures that allow these tools to be used effectively.

Data Management

- Twenty years experience developing database applications of various types on various platforms.
- Two years as a Senior DBA overseeing operations for multiple database systems including PostgreSQL, EnterpriseDB, MySQL, Oracle, and Microsoft SQL Server. Plan and implement high-availability systems, backup, monitoring, and capacity planning. Establish and implement access policy.
- Fifteen years developing database applications in PostgreSQL; including schema design, management of software upgrades, data migration, performance tuning, disaster recovery, high-availability and development support.
- Two years supporting database applications in MySQL; including load-balancing, management of software upgrades, performance tuning, disaster recovery, development support, and high-availability.
- Occasional support of Oracle and Microsoft SQL Server systems.
- Occasional support of data analytics team.
- Nine months developing software for Android using SQLite.

Software Architecture

- Seven years writing core libraries to support application development in PHP and

Java including data access frameworks, error collection and reporting, and compliance data collection.

- Seven years coordinating Q/A environments, policies, and best practices by using and extending automated unit and integration tests.
- Seven years developing SOA services using PHP and Java to deliver SOAP and REST technology for a variety of shared services such as error collection, shared authentication, GPS tracking, automated text and phone messaging services, and multiple data centrialization projects.
- Twelve months as a team lead coordinating the architecture of new features and feature upgrades.

Software Developer
- Fifteen years developing PHP applications and libraries, coordinating PHP development teams, establishing coding standards for PHP and teaching new developers.
- Five years developing Java applications web applications and command-line tools; such as libraries, REST services using Jersey, database migration utilities using JDBC and J2EE web applications using Spring deployed on Tomcat.
- Nine months developing Android applications.
- Various experience levels developing or assisting the development of applications written in C, C++, Perl and bash; such as system administrative tools, management scripts, and monitoring plugins.
- Some examples of my work:
  - https://github.com/Intermedix/jailme
  - https://play.google.com/store/apps/details?id=com.gamesbybill.idamucave.app
  - https://play.google.com/store/apps/details?id=com.gamesbybill.skilive.demo

System Administration
- Twenty years experience using open source tools in commercial environments. Knowledgeable of licensing requirements and how to ensure organizations can use open source software without becoming "infected" or otherwise incurring undesirable obligations.
- Seven years experience designing, configuring, and maintaining monitoring systems for mission-critical deployments using tools such as Nagios and Cacti. Includes the development of software to automatically page technicians when problems occur, and the extension of existing systems through Nagios and Cacti plugins.

Work History:

2014 – present: Self-employed Android developer
- Spent four months self-teaching Android development while developing Idamu Caverns game.
- Partial development of Ski Live application before market research determined that the project was not viable.
- Develop Android application for TapDatApp.co (on contract)

2006 – 2014: Intermedix/Collaborative Fusion, Pittsburgh, PA: Various Positions
- System administrator assisting in the design and implementation of implementation of multi-datacenter, highly-available application deployment.

- Design and implementation of datacenter-redundant PostgreSQL database cluster.
- Develop reporting application to automatically analyze and react to system and application problems. Implement client SDK for PHP, POSIX syslog, and SNMP.
- Create custom database libraries for PHP/PostgreSQL to facilitate automated management of database failover and support improved code quality.
- Develop code to allow load balancing systems to evaluate response potential of application servers and more accurately select the most responsive server.
- Design system architecture using FreeBSD jails to exceed security requirements and adapt to dispirit application requirements for a data integration cluster.
- Develop a set of PHP libraries to facilitate encrypted storage of HIPAA-protected data.
- Lead a project to extend database support for a mission-critical application to include Microsoft SQL Server.
- Team lead for a feature development team for mission critical web application.
- Senior Database Administrator, providing support for PostgreSQL, EnterpriseDB, MySQL, Microsoft SQL Server and Oracle database systems.
- Provide development support for database-driven application developers using PostgreSQL, MySQL, PHP, Java, and Ruby; including schema design, performance considerations, security considerations, and stored procedure development.
- Plan and execute multi-version upgrade (4.0 → 5.5) of a multi-replica, multi-terabyte, mission-critical MySQL database.
- Migrate multiple mission-critical databases from Oracle to PostgreSQL.
- Develop and demonstrate software to migrate multiple terabytes of data from MySQL to PostgreSQL with less than one hour's downtime to the application.
- Lead a successful project to migrate hundreds of gigabytes of image data out of a MySQL database with zero downtime.