
Eric J. Silva

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SUMMARY

I have more than 11 years enterprise application development and architecture experience, and more than 15 years in web design experience. I have effectively functioned in various roles, including Project Manager, Lead Developer, Developer, and Chief Architect. I have spent the last 10 years designing and developing GxP validated applications and I am extremely comfortable working in a heavily regulated environment.

COMPUTER SKILLS

Languages

- Proficient in: Java/J2EE, EJB, Java Server Pages (JSP), C#, PHP, SQL, PL/SQL, XML, XSLT, VoiceXML, and JavaScript
- Familiar with: ASP.NET, Python, Ruby, Visual Basic, and Active Server Pages (ASP)

APIs and Frameworks

- Java: Spring, Hibernate, XA Transactions, JUnit, JDBC, Struts (MVC), Google Web Toolkit (GWT), AspectJ (AOP), and iText (PDF).
- .NET: Spring.NET, NHibernate, NUnit, ASP.NET MVC

Methodologies

- Problem Domain Modeling in Color
- Feature Driven Development
- Scrum
- Waterfall (traditional and modified)

Software

- Database: Oracle 8i-11g, Microsoft SQL Server, MySQL, and Microsoft Access
- Platforms: Windows, Windows Server, Solaris, Linux, DOS, and MacOS
- Development Tools: Eclipse, Visual Studio 2005+, IntelliJ IDEA, WebLogic Workshop, Borland JBuilder, Together, and Macromedia Dreamweaver
- Web and Application Servers: Oracle WebLogic 8.1/10, Tomcat 5.x, Apache2, and IIS 5+
- Graphics: Adobe Photoshop, Adobe Illustrator, and Macromedia Fireworks

Hardware

- I have an extensive knowledge of PC hardware, peripheral devices, troubleshooting, networking, and Windows Server Administration.
- I have practical experience in analyzing, optimizing, and tuning the performance of the Java Virtual Machine (JVM).
- I have excellent analytical skills which enable me to efficiently troubleshoot system issues and architect effective solutions.

Regulations and Standards

- 21 CFR Part 11
- Good Clinical Practices
- Good Manufacturing Practices
- CDISC Operational Data Model (ODM) and Study Data Tabulation Model (SDTM)

EDUCATION

- Attended the University of Phoenix-Philadelphia in 2002 pursuing B.S. in Business/Management.
- Attended New Mexico Tech between 1995 and 1997 pursuing B.S. in Computer Science/Business Administration.
- Graduated from Alamogordo High School in 1995 with a 3.4 GPA (4.0 scale).

EXPERIENCE

Senior Technology Lead, Pfizer (formerly Wyeth), April 2000 – Present

- Primary responsibilities include design and development of applications for Clinical R&D.
- Lead and participated in the gathering and authoring of user and functional requirements specifications.
- Acted as development lead, chief architect, developer, and project manager for various projects over the years.

Third Party Randomization Integration

- Designed and developed process for receiving subject event data from third party enrollment vendors, and loading that data into Wyeth systems.
- Based upon CDISC ODM XML standards
- Used PL/SQL and Oracle RDBMS

Clinical Trials Subject Enrollment System

- Designed and developed web-based applications to manage the enrollment and randomization of clinical trial subjects.
- Used Java, EJB, Struts, and VoiceXML using WebLogic and Oracle RDBMS

Clinical Trials Supply Tracking System

- Designed and developed web-based applications to manage the inventory and shipment tracking of clinical trial materials and supplies.
- Used Java, EJB, Spring, Hibernate, Struts, and VoiceXML using WebLogic and Oracle RDBMS

Response-Adaptive Trial Support System

- Designed and developed a web-based application to synchronize the randomization numbers across multiple databases in support of Response-Adaptive Clinical Trials.
- Used Java, Spring, Hibernate, Struts, and XA transactions using WebLogic and Oracle RDBMS

Clinical Study File System

- Developed an automated server-based MS Word mail merge web service application using C# and ASP.NET which was used by a Java web application to aide in the management of Clinical Study File (CSF) documents related to clinical trial