



Corporate Résumé

This résumé highlights the requirements engineering and software engineering services of the small but effective Precision Quality Software, Inc. team, whose core members are Andre Gous, Angel Willis, Gretchen Riehm, Jamie Parker and Lance Meadows. The key team members have worked together for more than 10 years. The most senior team member is Andre Gous, who has been developing software professionally since 1983.

Objective

We hold ourselves to a high level of quality and professionalism, in good times and bad. We offer the services of a small team of requirements engineers and software engineers who work well together. We have a proven track record of developing excellent requirements and exceptional software. Our objective is to offer these same services to a small group of clients, ranging in size from one dozen to two dozen clients.

Clearance

- Active Security Clearance; type: Secret (S)
- Clearance Expiration: January, 2012
- Clearance Issuing Agency: Dept of Defense

As of mid-March of 2009, Andre's Security clearance was still active, and scheduled to expire in 2012. This clearance is via CSC for work done at the US Naval Strike and Air Warfare Center, to develop software that automates the scheduling administration process for the Fallon Tactical Training Range. The project has been completed (under budget, ahead of schedule, and with the key stakeholders delighted), so CSC needs to either drop the clearance or transfer it to a new contract. The preference is for the latter.

Professional Experience

The experience of this team spans many years. Here are a few examples:

Microsoft Commercial Operations, Reno, NV

October, 2008 - February, 2009

Senior Requirements Engineer & Architect

- Worked with senior Microsoft Commercial Operations stakeholders worldwide to develop their requirements as to consolidating their data warehouse architecture
- Researched relevant best practices as to Data Warehousing and provided ad hoc training and formal recommendations

US Patent and Trademark Office, Arlington, VA

May, 2004 - November, 2004

Senior Requirements Engineer

- Worked with senior stakeholders to develop enterprise-wide nonfunctional requirements
- Researched relevant best practices as to nonfunctional requirements and made formal recommendations for improvement

US Naval Strike and Air Warfare Center, Fallon, NV

April, 2002 - Present

Senior Requirements Engineer, Software Developer, Architect and DBA

- Developed software requirements
- Enabled Web & client/server database solutions to improve process flows
- This project developed the Range Asset Management System to automate the schedule administration for airspace at the Fallon Tactical Training Range as used by TOPGUN and the other commands at NSAWC.
- Note: NSAWC involved Andre via Dyncorp and CSC. The vast majority of the work was concluded in late 2005, but informal support continues on an ad hoc basis to the present day

Agilent Technologies, San Jose, CA

November, 1999 - July, 2005

Senior Requirements Engineer, Software Developer & Architect

- Developed software requirements
- Enabled Web-based & desktop-based database solutions to improve process flows

Philips Lumileds, San Jose, CA

October, 1999 - Present

Senior Requirements Engineer, Software Developer & Architect

- Developed software requirements
- Enabled Web-based & desktop-based database solutions to improve process flows

Pyramid Logistics, Westminster, CA

October, 1998 - Present

Senior Requirements Engineer, Software Developer, Architect and DBA

- Developed software requirements
- Enabled Web & client/server database solutions to improve process flows
- Created data warehouse

Hewlett-Packard Company, San Jose, CA

May, 1998 - November, 1999

Senior Requirements Engineer, Software Developer & Architect

- Developed software requirements

- Enabled Web-based & desktop-based database solutions to improve process flows

Pacific Bell Information Services, San Ramon, CA

January, 1997 - November, 1998

Senior Requirements Engineer, Software Developer & Architect

- Developed software requirements
- Enabled Web & client/server database solutions to improve process flows

CC Communications, Fallon, NV

April, 1995 - March, 2003

Senior Requirements Engineer, Software Developer & Architect

- Developed software requirements
- Enabled Web & client/server database solutions to improve process flows

Note: Some of the business relationships were via a contract house or main contractor. Nothing in this résumé implies an endorsement from any of the companies or organizations mentioned.

Education

University of Phoenix, Phoenix, AZ

- Angel Willis has an Associate's Degree in Business, 2008

UCLA Extension, Los Angeles, CA

- Circa 1987
- Andre took various postgraduate courses that are part of the Systems Analysis and Design program: Introduction to Systems Analysis and Design, Data Communications, Systems Analysis Tool & Techniques

University of Pretoria, Pretoria, South Africa

- Andre Gous has a Bachelor's Degree majoring in Accounting and Auditing, 1982

Truckee Meadows Community College, Fallon and Reno, NV

- Lance Meadows and Jamie Parker have taken and/or are taking various IT-centered classes to improve their professional skills

SD West, SD Best Practices, World Congress of Business Analysts

- Our team has a long history of attending professional developer conferences.

Presentations

SD West, Santa Clara, CA

- Our team presented at SD West, from 2005 through 2008, classes on requirements engineering as well as case studies. This includes a co-presentation with the US Patent and Trademark Office on the case study of a successful project.

SD Best Practices, Boston, MA

- Our team presented at SD Best Practices, in 2006 and 2008, classes and tutorials on requirements engineering, as well as case studies. By 2008 the speakers' honorarium for Andre Gous was more than \$350 per hour.

World Congress of Business Analysts, Orlando, FL

- Our team presented at the World Congress of Business Analysts, in 2005, a tutorial on requirements engineering.

SATURN Conference, Pittsburgh, PA

- Our team is scheduled to present at the annual conference of the Software Engineering Institute of Carnegie-Mellon University, in May of 2009, on requirements engineering.

Specific Skills

This section lists the skills of our core team. However, we have reach-back capabilities to a second tier of skilled professionals with whom we have good business relationships.

Database Experience

- Oracle (version 7 to 9i; from 1997 to present)
- MS SQL Server (version 6.5 to 2008; from 1995 to present)
- MySQL (version 4.x; from 2004 to present)
- MS Access Jet engine (version 1.1 to 2007; from 1995 to present)
- Also, our team has worked with Pervasive SQL, FoxPro, Paradox, dBase and Btrieve.

Web-Enabling Experience

- ColdFusion (version 2.0 to 8; from 1996 to present)
- PHP (version 3 to 4; from 2002 to present)
- HTML (from 1995 to present)

- XML (from 2004 to present)
- Flash including ActionScript 2.0 (from 2005 to present)
- Adobe Captivate (from 2008 to present)
- Web Services (SOAP and REST, from 2008 to present)
- VB .Net (from version 2005 to 2008)
- Also, our team has worked with Fireworks, Paint Shop Pro, GIMP, Active Server Pages, JSP, client-side Java, server-side Java, JavaScript, CSS, TomCat, Apache and the Microsoft Internet Information Server.

Experience in Desktop-Based Architecture

- QuickBASIC and Microsoft PDS BASIC (version 2 to 7.1, 1988 to present)
- Oracle Forms (Developer 2000, 2002 to present)
- MS Access as a front-end (version 1.1 to 2007; from 1995 to present)
- VBA (version 3 and 4; from 1995 to 2000)
- VB .Net (from version 2005 to 2008)
- Also, our team has generated user interfaces using Turbo C, Turbo Pascal and Paradox, and has generated reports using Crystal Reports and the ColdFusion MX Report Builder.

Experience in Operating Systems

- MS DOS (version 1.0 to 6.22; from 1983 to circa 2000)
- MS Windows (version 3.0 to Windows Server 2008, from 1993 to present)
- Linux RedHat (from 2001 to present)

Experience in Hardware and Networks

- Our team builds, maintains and upgrades its own servers and dual-screen desktop PCs
- Our team builds, maintains and upgrades its own network; wired and wireless, with experience in Ethernet networks, routers and switches, specializing in TCP/IP.
- Our team maintains several VMWare virtual machines, used for development, testing and production.
- Our team worked with Novell Netware from 1987 until the late 1990s.

DBA Experience

- On-site DBA for military installation of Oracle 9i at the US Naval Strike and Air Warfare Center; created tables, optimized queries, applied upgrades and patches, created and tested disaster recovery measures, analyzed problems, performed speed-optimization, managed backups; wrote PL/SQL. We used Oracle tools as well as TOAD.
- Off-site MS SQL Server DBA for Pyramid Logistics from 2002 to present; created tables, optimized queries, applied upgrades and patches, created and tested disaster

recovery measures, analyzed problems, performed speed-optimization, managed backups, created stored procedures and user-defined functions in T-SQL.

- On-site DBA for our in-house MySQL installation that underlies several client Web sites; created tables, created and tested disaster recovery measures, analyzed problems, performed speed-optimization, managed backups. We used MySQL tools as well as TOAD.

Field of Specific Focus

- Our team specializes in requirements engineering, having a long history of developing good requirements in order to develop good software; having done high-profile requirements-only projects successfully; being licensed to offer Karl Wiegers's "In Search of Excellent Requirements" seminars, and having presented at various software developer conferences on the subject of requirements engineering.
- Our team specializes in nonfunctional requirements, having a long history of developing high-quality software, and having advised the US Patent and Trademark Office on how better to develop nonfunctional requirements in their organization, and having presented at various software developer conferences on this subject.
- Our team specializes in data warehousing, with the emphasis on up-front work such as developing both the specific and the general requirements, designing the star schema, planning out the ETL process, having a good handle on the business metadata and being aware of the latest technology so as to leverage it.
- Our team specializes in integrating custom software with standardized accounting packages, which experience goes back to 1985 and extends into the present time by being a licensed Sage MAS 500 custom developer.

Availability

Our team is available immediately to allocate anywhere from 4 hours a week to 120 hours a week to new-client work. We are willing to be at client sites anywhere in the US, Monday through Friday (and occasional weekends, as needed). We're based in Fallon NV though some of our team members live in Reno, NV.

Our team's hourly rates vary with supply and demand, but they are normally \$100 per hour for junior staff, \$200 for Andre or other staff with 20+ years' experience and \$150 for everyone in between. Work can be done on a fixed-bid basis or on a time-and-materials basis.

Our preference is for clients in private industry, and for military work.

Contact

To see samples of our work or to explore a possible business relationship, please contact Andre Gous at andre@pqsw.com or 775-232-6304.