

RUBENS GOMES

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OBJECTIVE (PERMANENT POSITIONS ONLY)

Software Architect/Engineer that will utilize over 15 years of professional experience in software development (C/C++, J2EE/Java), UNIX shell scripting, SOA / Web Services (REST and SOAP).

SUMMARY OF QUALIFICATIONS

Has developed SOAP/RESTful web services. At *Appia* (Durham, NC) developed RESTful client/server used for Vodafone carrier billing integration. At *Handango* (Irving, TX) developed AXIS SOAP/WSDL clients for member account and credit card services. APIs: RESTeasy, XML(XPath, SAX).

Has worked as a SOA Solutions Architect. At *OI/Telemar* (Rio de Janeiro), the largest telecommunications company in Brazil, participated in the analysis and implementation of IT applications integration projects to ensure compliance with company SOA reference architecture.

Has developed applications persistency layer using Spring/JPA/Hibernate 3. At *Appia* developed domain model (entities and repositories) of billing agent application making use of JPA annotations, JPA 2 criteria query APIs and Spring/Hibernate transactions.

Has developed Struts1/2 actions. At *American Airlines* (Fort Worth, TX) developed Struts1 actions used to authenticate award miles users. At *EDS/HP Company* (Rio de Janeiro) developed Struts 1 actions in the *Verizon* SID Shared Trunk application. Developed Struts2 actions/interceptors in *EZLista.com*.

Has developed ATG droplets/form handlers, servlet pipeline, and ATG nucleus back-end components at both *Handango* and *American Airlines*. Has participated in the internationalization of AA.com travel registration. Has implemented WebTrends/Google Analytics analytics on e-commerce web sites.

Has participated in the development of network management systems and SNMP agents for ATM, Frame Relay networks at *Sprint* (*Overland Park, KS*), *Fujitsu* (*Raleigh, NC*), and *Diveo Broadband Networks* (*Sao Paulo*). Platforms: UNIX HP-UX/Sun Solaris. Languages: C/C++/Java/Perl/PHP.

Professional programming skills with C/C++, Oracle Pro*C/C++, Purify, PL/SQL, PHP, Perl/UNIX shell scripting, Clearcase, SVN, CVS, Maven, StarTeam, AccuRev, Ant. Administrated SVN/CVS repository, wrote Makefiles, Ant build scripts, and Maven pom.xml.

Professional knowledge of UNIX from administrating HP-UX, Sun Solaris and Linux servers, implementing DNS, NIS, NFS, NTP, security standards, developing routines for backup/restore. Has written several Perl and UNIX shell scripts making use of awk/sed and regex.

Working knowledge implementing object-oriented to relational data modeling in Java and C/C++. Has developed Oracle stored procedures/triggers, and SQL making use of Pro*C/C++, Java/JDBC, PHP/Perl APIs. Has written UNIX DB tables/schema installation scripts.

Developed distributed components making use of CORBA (OrbixWeb) and EJB remote services (WebLogic). At *Fujitsu*, played lead role in the implementation of database modeling and entity persistent layer using EJB 1.1. Developed C++ applications based on Versant-OODB/C++ at *Sprint*.

Javascript programming using JQuery, Prototype, Scriptaculous and AJAX XMLHttpRequest APIs.

PROFESSIONAL EXPERIENCE

CISCO SYSTEMS, RTP, NC **CONTRACTOR - Senior Software Developer**

Dec. 2011 to Present

Designed and developed RESTful web service to export reporting data (CSV, XML, JSON) from Cisco Prime network performance manager. Architected and developed input request validator and serialization classes (specialized output formatters) and filters for validation and authentication.

APPIA INC, Durham, NC **Senior Software Developer**

Aug. 2010 to Nov. 2011
(company downsized)

Architected and developed AppStores application layer action and service layer frameworks used to implement store fronts. Developed stores JSP pages and actions (CatalogAction, ProductDetailAction, ProductReviewAction, SearchAction, PaymentAction, SignIn/SignUpAction, SelectDeviceAction).

Participated as lead Java developer in the implementation of Appia AppStores for Opera, Zedge, Vodacom South Africa, Vodafone India & Egypt, Myxer, Opera, Iusacell (Mexico), Mobily (Saudi Arabia), Digicel, AMX Claro.

Designed and developed several service APIs (ConfigurationService, PaymentService, CatalogService, DeviceService, OrderService, EmailService, LookupService). Designed developed JSP tags, session/cookie management, session objects, validators, result-oriented responses,

Developed Vodafone India application used for billing integration and to retrieve Appia ID based on incoming user's MSISDN number. Application developed to run on Tomcat7 making use of Spring IoC, Spring/Hibernate transaction, JPA/Hibernate and RESTeasy APIs and HTTP connections.

Developed RSA encryption utility and security service used by AppStores when decrypting user's MSISDN number from incoming HTTP headers. Designed and developed mobile device and platform detection code used by the store fronts.

Architected and developed JSP templates, page structures, file naming used by the store fronts. Implemented app store pages (home, product detail, product rating, search results, catalog pages, account details, sign in/sign up) based on HTML/graphics provided by web designer.

Mentored and trained newly hired developers. Assisted rollover of new AppStores into production.

OI - TELE NORTE LESTE S/A Rio de Janeiro, RJ, Brazil **Solutions Architect**

Sept. 2009 to July 2010
(USA relocation)

Worked on analysis of order management proof-of-concept layer to capture and provision customer orders for landline fixed voice, Internet ADSL services, and mobile lines on Siebel 8 CRM. Participated as solutions architect on company IT transformation project to consolidate and integrate existing OSS (Operation Support Systems) and BSS (Business Support Systems).

SOA integration platform based on Oracle/AquaLogic ESB, Vitria, and Informatica. Legacy mainframe applications, Telcordia Expediter, Arbor (Billing) and other internal OSS applications integrations based on web services WSDL, sockets, and file transfer.

HANDANGO, INC. Irving, TX **Senior Software Developer**

Oct. 2007 to Feb. 2009
(company downsized)

Refactored BlackBerry RIM-OTA store application to separate actions code from back-end business making use of service layer (web services). Developed JSP pages, front-end application and service layer code for the RIM-OTA (Over the Air) mobile web site.

Developed multi-language (Italian, Spanish, German, English, French) e-commerce mobile web site for Sony-Ericssons smartphones (W960, G700, G900, M600). Developed JSPs and Java actions to interface to back end layer, and wrote Javascripts to dynamically render HTML tags on the browser.

Developed member account / credit card management front-end logic based on interactions between application service layer and Web Services. Developed WebTrends analytics service components to collect web analytic statistics on Handango Internet e-commerce and Windows mobile web sites.

Developed JSPs and ATG form handlers to allow users to add/delete/switch mobile devices on Handango site. Developed form handler method to load/update user's HTTP cookie with list of selected devices. Conducted Jprobe memory performance of device select / indicator use cases.

Implemented several Javascript tags to gather and generate products purchased, shopping carts, page visits and user's browser configuration, and other analytical reports on WebTrends. Researched MobileAware middleware APIs to be used in future projects.

AMERICAN AIRLINES, Fort Worth, TX
Senior Consultant

July 2006 to Oct. 2007

Developed ATG Dynamo Nucleus servlet pipeline component used to block user's attempt to input malicious data in AA.com POST or GET HTTP requests. Participated in the maintenance of AA.com running on ATG/Dynamo.

Developed Ajax Javascript and Struts/Java classes to allow user to login to his *AAdvantage* miles account in the Reservations - Book flight – Select Flights page. Developed Javascript and JSP to display internationalized messages (English and Spanish) on AJAX driven pages.

Developed JSPs, AJAX and corresponding Struts action to handle the "Total Change Fee(s)" information link while changing a flight reservation Re-factored Spring IoC service manager classes to comply with new business requirements, back end API changes, and AA.com coding standards.

Internationalized JSPs to allow pages to be rendered in either English or Spanish. Developed i18n (internationalized) JSP tag to allow GUI form drop down lists to be rendered according to users selected Locale.

Worked in the resolution of several production defects based on troubleshooting conducted on the analysis of Java stack trace and system logs.

EDS/HP Company, Rio de Janeiro, RJ, Brazil
Software Developer

Nov. 2005 to July 2006
(USA relocation)

Worked in off-shore maintenance and enhancements to Verizon IntradaPro phone order entry system. Made changes to JSP and Struts classes in VoIP shared trunks management web based application. Worked with Ajax code based on the Java/DWR (Direct Web Remoting) toolkit.

Developed UNIX shell script and SQL code to extract data from Oracle database tables, and transfer over SSH/sftp to external UNIX server. Task implemented as part of integration between local order entry and telecommunications back end systems.

RUBENS GOMES INFORMATICA, Brazil
Independent Consultant

Nov. 2003 to Aug. 2005

Halliburton – Macae, RJ, Brazil: IT Project Coordinator (May 2005 – August 2005)

Created processes for desktop customer service support. Prioritized activities for IT desktop support. Routed trouble tickets in the Peregrine GSS system. Helped in the resolution of security issues related virus and spyware software. Led the initial implementation of ITIL incident management processes.

T-Systems - Sao Paulo, SP, Brazil: Project Manager (November 2003 – July 2004)

Managed the implementation of “FolhaSoft” payroll system. Defined interface specs to integrate Oracle employee table with SAP R/3 PS module/HR master. Interacted with human resources, technical staff and software vendor, planning/scheduling tasks/meetings, and helping resolve technical issues.

DIVEO BROADBAND NETWORKS, Sao Paulo, SP, Brazil
Senior Systems Manager

Jan. 2001 to Aug. 2003
(company downsized)

Provided team/management and technical leadership for issues related to UNIX and databases. Helped team understand relevant issues, and facilitate faster resolution of technical problems.

Defined/implemented/enforced technical and operational standards. Oversaw ongoing administration of UNIX systems, including monitoring, proactive maintenance, problem resolutions, and development of shell scripts.

Designed/developed DBIFlex web based application to report customer's IP traffic utilization for monthly billing. Front end developed in Apache/PHP, and back-end developed in Perl with access to Oracle PL/SQL stored procedures/triggers, and SNMP interface to IBM/Micromuse Netcool.

Developed shell scripting routines to perform backups of enterprise UNIX Sun SPARC servers, Ericsson (AXD-311) and Lucent (PSAX 1250, CBX 500) ATM telecommunications switches, DNS synchronization with Netcool IP lookup tables with DNS.

Installed Oracle, and developed UNIX shell scripts to create database, users/schemas, table spaces, tables/grants. Interacted with NOC (Network Operations Center) to diagnose problems related to company's IP/ATM/Frame Relay/Radio network management systems

Installed CiscoWorks 2000, HP OpenView and IBM/Micromuse Netcool systems. Configured Cisco 2500/2600/3600 series routers. Implemented SNMP trap rules in the Netcool fault management system. Established standard set of Cisco IOS TACACS+ commands on DCN Cisco routers network.

THE WORLD/MUNDO NETWORK INC, Pompano Beach, FL
Chief Technology Officer

July 2000 to Oct. 2000
(start-up)

Managed and administrated technical issues related to database, software development, UNIX/Linux administration, and network configuration. Mentored technical staff with regards to the development of Perl/CGI, PHP and MySQL database programming.

Coordinated purchase / installation of LAN, VA Linux Red Hat servers, 3Com switch, and Cisco 2511 router. Installed Linux web/mail/ftp servers, database, primary/secondary DNS servers. Registered domain / host names, and transferred domain servers from former Internet hosting company.

Deployed and maintained Linux servers. Ensured that servers operated in accordance with security standards. Implemented fully redundant services and networking infrastructure to maintain servers and Internet connectivity operating on a 24x7 basis.

FUJITSU NETWORK COMMUNICATIONS INC, Raleigh, NC
Software Development Engineer III

April 1998 to July 2000

Member of technical team in the ATM Network Management Systems working on the full-cycle software development of Fujitsu broadband ATM FETEX-150 switch web based network management system. Distributed platform based on WebLogic EJB server and IONA OrbixWeb CORBA implementation.

Developed EJB entity bean components making use of JDBC connections with Oracle. Wrote JNDI caching mechanism for EJB home reference objects. Installed Oracle server, and developed UNIX shell scripts to create database, users (schemas), table spaces, tables and grants.

Developed web application to allow developers to send TL/1 commands to switch simulator. Application initially developed using CGI in Perl, then mapped to Java Servlets. Java program included CORBA client interface to Protocol Manager server running on separate address space.

Made extensive use of Perl regular expressions to parse ESP-150 TL/1 command handbook to generate CRDL (Command Response Data Language) in-house developed language files.

Led the development of web based GUI (Graphical User Interface) standards. Wrote departmental HTML/JSP/JavaScript guidelines, Java coding standards, web based GUI standards, and source code quality control review procedure documents.

Troubleshooted C++ core dump and build (Makefile) related problems in earlier version of NMS software based on Sun Neo CORBA. Troubleshooting based on extensive use of Purify and Sun's Solaris Workshop debugger for C++.

Helped administrate CVS source versioning repository. Developed Perl/CVS trigger scripts, makefiles. Wrote design specs, integration test plans and test cases. Developed scripts to start/stop system, and helped write software build/installation scripts.

SPRINT CORPORATION, Overland Park, KS
Software Engineer III

June 1996 to April 1998

Member of technical team in the BNMD (Broadband Network Management Development) working on the full-cycle software development of frame relay SNMP agent, and MAPS (Multi-vendor ATM Provisioning System). Distributed platform based on CORBA IONA OrbixWeb & Orbix2.

Developed C++ configuration management module of SNMP agent. Retrieved data from Oracle using Pro*C/C++ and Versant OO DB using C++. Made extensive use of Purify to help detect memory access violations and memory leaks in C++ code. Used SNMP "C" toolkit library from SNMP Research, Inc.

Developed UPC (Usage Parameter Control), PVC (Permanent Virtual Circuit) connection management, billing activation/de-activation screens of MAPS system. Initially developed in Access/Visual Basic, and migrated to Java AWT with CORBA (IONA OrbixWeb) interface to the back end layer.

Prepared object oriented analysis and design statements (use case models, class diagrams, and object interaction graphs). Presented analysis and design models to development team in design walk-thru meetings. Wrote analysis and design specification documents.

CERNER CORPORATION, Kansas City, MO
Programmer Analyst III

June 1995 to June 1996

Member of the MDI (Medical Device Interface) development group. Developed "C" programs to interface clinical laboratory instruments with *Cerner's PathNet* laboratory system. Wrote software installation / technical support documents, and basic medical device operational procedures.

Conducted tests of interface software at hospital labs. Demonstrated operation of medical device interface to technologist. Assisted customers over the phone with medical device interface software.

CERTIFICATION

PMI PMP (Project Management Professional) Certified, March, 2009.

Sun Certified Programmer for the Java 2 Platform 1.4. Exam score: 96%. February, 2006.

EDUCATION

The University of Kansas, Lawrence, KS, USA

Master of Science in Electrical Engineering, GPA: 3.7/4.0, December, 1996.

The University of Kansas, Lawrence, KS, USA

Bachelor of Science in Computer Engineering, GPA: 3.0/4.0, December, 1993.

AWARDS

American Airlines Certificate of Excellence in appreciation for dedication and outstanding contributions to the AA.com ITA Award Project. February, 2007.

Fujitsu Engineering Yearly Excellence Award in recognition of leadership and significant contribution to the FETEX 150 NMS development project. May, 2000.

University of Kansas Foreign Student Full-Tuition Scholarship Award Recipient. August, 1988 - December, 1993.

ADDITIONAL INFORMATION

Architected and developed *EZLista.com* - online mobile web address contacts application. Application developed making use of standard Java APIs and annotations (JSR 330, JPA), using Spring IoC, Spring security, Spring transaction, Hibernate 3, Struts2 actions/interceptors, Quartz scheduler, and Javascript (Jquery). Server running on Linux CentOS, Apache HTTP/Tomcat 6. MySQL DB.