

RUBENS GOMES

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STAFF SOFTWARE ENGINEER

Software engineering professional having 28+ years of industry experience programming in various programming languages, platforms and distributed systems architectures, and 4 years in managerial positions.

- Strong knowledge of systems integration, software design principles/patterns, SOAP/RESTful services, microservices, mobile web, cloud, DevOps, software build/testing, and object-oriented methodologies.
- Hands-on implementing DevOps automated CI/CD build using Azure, SonarQube, Artifactory, Nexus, Jacoco, deploying on Kubernetes / Pivotal Cloud. Wrote ant/ivy/maven build scripts to integrate with DevOps system.
- In-depth knowledge of UNIX from administrating Sun Solaris, HP-UX and Linux RedHat servers, DNS, security standards, and writing UNIX shell scripts using regex and awk/sed tools.
- Good understanding of programming concurrency, multithreading, locks, transactions, persistence, interfaces/APIs design, and software design principles: separation of concerns, abstraction, and modularity.
- UI development experience of web responsive apps using HTML 5, Bootstrap CSS, AngularJS, and JQuery
- Experience developing persistent layer using Java (Hibernate and Entity EJB), Python (NoSQL/MongoDB), C++ (Versant, Oracle Pro*C/C++), Perl/DBI, PL/SQL (Oracle), Cobol/Mark-IV (IBM IMS DB).
- Programming experience with C, C++, COBOL, Java, JavaScript, JCL, Mark IV, Perl, PHP, PL/SQL, Python, Visual Basic, and UNIX shell scripting. Middleware: CORBA, RMI, REST, SOAP, TCP/IP Socket.

PROFESSIONAL EXPERIENCE

AMERICAN AIRLINES, Fort Worth, TX

2016 – present

Senior Architect/Developer – IT Applications

Software architect/developer in the Ticketing & Receipts department responsible for the payment collection and fulfillment of 150,000+ airlines tickets daily. Java, Git, CI/CD, microservices, Spring Boot, Kubernetes/Pivotal Cloud.

- Architected and implemented department DevOps and microservices architecture. Wrote DevOps automated build system in ant/ivy/maven responsible for the CI/CD builds of 50+ applications and libraries
- Wrote key software libraries, and proof-of-concept Spring Boot microservice to guide subsequent microservices development. Mentored junior developers and participated in code reviews and technical discussions.
- Wrote the Ticket Manager RESTful microservice to revalidate AA customer's airline tickets.

CISCO SYSTEMS, Morrisville, NC

2011 – 2015

Software Engineer IV

Engineer in the Cloud Virtualization group responsible for the Cisco Prime Performance Manager (PPM) software capable of managing up to 100,000 devices and 9.7 million interfaces. JDK 7, Jboss/Tomcat, ClearCase, Ant

- Developed the Cisco Prime Performance Manager RESTful service to allow customers to retrieve networking performance data using REST APIs. Maintained the PPM WSDL and SOAP API. Fixed software defects.
- Refactored back-end remote interface code to improve the distributed performance between GW and unit components. Worked on the web front-end GUI components written using JSP and JavaScript.
- Senior Software Developer – Contractor / Principle Solutions (2011 – 2012)

APPIA, INC, Durham, NC

2010 – 2011

Senior Software Developer

Core technical member of the Engineering group participating in the development of company's open marketplace Mobile App Stores. Java SE 6. JBoss/Tomcat. MSSQL DB. JSP/CSS, JavaScript. Subversion (SVN), Ant/Maven.

- Wrote company's mobile app store framework (front controller, actions, service layers), server-side JSP template engine, and device detection code used by the store fronts
- Wrote Vodafone India RESTful service for billing and retrieval of mobile ID. Wrote RSA service to encrypt phone numbers. Developed app stores for Opera, Vodacom, Myxer, Iusacell Mexico, Mobily Saudi Arabia.

OI S.A., Rio de Janeiro, RJ, Brazil
IT Software Architect

2009 – 2010

Senior technical member of the IT/Architecture department reviewing software development project specifications to ensure compliance with company's SOA reference architecture

- Project managed orchestration layer proof-of-concept project to capture and provision customer orders for fixed/mobile voice lines and Internet ADSL services on Siebel 8 CRM.

HANDANGO, INC., Irving, TX (Acquired by APPIA, INC. in 2010)

2007 – 2009

Senior Software Developer

Developed company's mobile web marketplace. Java 6, ATG 7.0, JBoss/Tomcat. JSP, JavaScript, SVN, Ant.

- Developed Mobile App Stores for BlackBerry RIM and Sony-Ericsson. Redesigned Mobile App Stores code to separate actions and validation logic from back-end business service components.
- Developed account and credit card payment SOAP web services. Developed WebTrends analytics to collect web site ecommerce stats. Developed ATG droplets/services to allow users to switch mobile devices.

AMERICAN AIRLINES, Fort Worth, TX

2006 – 2007

Senior Software Development Consultant – Contractor / Valtech

Senior consultant in the Customer Technology group maintaining and implementing new functionality in the AA.com application. J2SE5/6. ATG 2006 Dynamo. HTML/JSP, JavaScript, Struts, Spring, AJAX. AccuRev.

- Developed servlet pipeline to block attempt to input malicious data in AA.com. Worked on resolution of production defects based on analysis of Java stack trace and system logs.
- Developed the AAdvantage login screen and "Total Change Fee(s)" link while changing a flight reservation.

EDS, Rio de Janeiro, RJ, Brazil

2005 – 2006

Senior Programmer Analyst

Off-shore programmer maintaining the Verizon USA IntradaPro phone order entry system. StarTeam, Makefiles

- Developed JSP, DWR Ajax calls, and Struts classes in VoIP shared trunks web application.

T-SYSTEMS, São Paulo, SP Brazil – **Project Manager – Contractor / H2M****DIVEO BROADBAND NETWORKS**, São Paulo, SP Brazil – **Senior Systems Manager****FUJITSU NETWORK COMMUNICATIONS INC**, Raleigh, NC – **Software Development Engineer****SPRINT CORPORATION**, Overland Park, KS – **Software Engineer III****CERNER CORPORATION**, Kansas City, MO – **Programmer Analyst****EDUCATION****Master of Science, Electrical Engineering**

The University of Kansas, Lawrence, KS

Bachelor of Science, Computer Engineering

The University of Kansas, Lawrence, KS

AWARDS

Cisco Systems Achievement Program Awards, PPM REST API Project.

American Airlines Certificate of Excellence, AA.com ITA Award Project.

Fujitsu Engineering Yearly Excellence Award, FETEX 150 NMS Project.

ADDITIONAL INFORMATION

GitHub Software Demo Projects <http://github.com/rubensgomes>

LinkedIn Personal Profile <http://www.linkedin.com/in/rubensgomes>