RUBENS GOMES

Plano, TX, 75024 | (919) 308-0457 | rubens.s.gomes@gmail.com | https://rubensgomes.com

ARCHITECT / SENIOR STAFF ENGINEER

- Hands-on software architect professional having 30+ years of industry experience w/current focus on leveraging AI LLMs to expedite the delivery of high-quality code that meets good design principles.

- Professional knowledge of distributed systems, integration, software design principles/patterns, SOAP/REST, microservices, mobile web, cloud, DevOps, CICD, software build/testing, and object-oriented methodologies.

- Hands-on experience w/ Microsoft Azure, AWS (EC2, ECS, SSM, S3), IBM Cloud (Kubernetes), IaC (Ansible, CDK), Cloud Foundry, CICD (Azure DevOps, CircleCI, TeamCity, GitHub Actions), build (Ant/Maven/Gradle).

- Architected American Airlines ticketing DevOps CICD pipeline integration and microservices deployed to IBM Cloud (Kubernetes). Wrote key software libraries, software quality gate, and build scripts (ant/ivy/maven).

- Programming experience of event-driven RESTful microservices using Spring Boot, RabbitMQ, and Apache Camel. Wrote several microservices at American Airlines.

- Wrote the Cisco Systems PPM (Prime Performance Manager) REST API service. Refactored back-end remote interface code to improve the distributed performance between gateway and unit components.

- Persistency programming in Java (Hibernate/JPA/Entity/EJB), C/C++ (Versant, Oracle Pro*C/C++), Perl/DBI, Python NoSQL (MongoDb), PL/SQL (Oracle), IBM IMS DB (Mark-IV). PostgreSQL, MySQL, Oracle, Redis.

- Professional experience with C, C++, Cobol/JCL/Mark-IV (IBM mainframe), Java, JavaScript, Kotlin, Perl, PHP, Python, Visual Basic, and UNIX shell scripting. Middleware: NodeJS, CORBA, RMI, REST, SOAP, TCP/IP.

- UI development experience of responsive web apps using HTML 5, Bootstrap, CSS, AJAX, AngularJS, JQuery with mid-tier code using Java Apache Struts, Spring MVC, Python Flask/FastAPI, and PHP.

PROFESSIONAL EXPERIENCE

ONBE, Plano, TX
2025 - present
Senior Staff Engineer - Architecture
Hands-on architect working on high-level design specs, proof-of-concept, and development of microservices. C4 Models, Java/Spring Boot, Azure Cloud, Maven, GitHub Actions, Claude Code, GitHub Copilot, AI LLMs.

- Writing high level specs/estimates to present to technology execs and architecture review board.
- Wrote API driven microservices POC using AI Claude LLM for funds validation and initial payment processing.
- Wrote OrdersAPIMS POC during a three-day hackathon to use stablecoins for international payments.

NINJAONE, TX (REMOTE)
2023 - 2025
Java Architect - Architecture
Participated in the maintenance of the NinjaRMM server platform. Java/Kotlin, Python, Bash, BitBucket, Gradle, Ansible, CircleCI/TeamCity, RabbitMQ, Redis, AWS (CDK, EC2, ECR, ECS, IAM, S3, SSM, VPC), NodeJS, npm.

- Implemented IaC AWS CDK, and Ansible playbooks to deploy internal applications in AWS EC2 instances.
- Wrote tool in Bash (10K+ lines) to support deployment of components in NinjaRMM during QA/Prod rollouts.
- Wrote ZAP security scanner in Bash to scan 1400+ NinjaRMM endpoints reporting reports to ArmorCode.

AMERICAN AIRLINES, Fort Worth, TX
2016 - 2023
Senior Architect/Developer – IT Applications
Member of Ticketing doing the payment collection/fulfillment of 150,000+ airlines tickets daily. Sabre, Java 11/17, Git, Maven, Azure DevOps, Spring Boot, Redis. RabbitMQ, Apache Camel, IBM Cloud (Kubernetes).

- Played lead architect/developer role in the modernization of AA ticketing IT microservices architecture.
- Architected and implemented the department microservices, CICD pipelines, and software builds.
- Wrote microservices responsible for the reissue of airline tickets due to voluntary/involuntary changes.
- Wrote event-driven microservices to rebook thousands of airline tickets due to flight cancelations.
- Wrote evoucher-ms during "pandemics" to issue millions of AA e-Vouchers due to flight cancellations.

CISCO SYSTEMS, Morrisville (Research Triangle Park), NC   **2011 - 2015**
Software Engineer IV – Cisco Prime Performance Manager Team
Senior Software Developer – Contractor / Principle Solutions (2011 – 2012)
Engineer in the Cloud Virtualization group responsible for the Cisco Prime Performance Manager (PPM) application capable of managing up to 100,000 devices and 9.7 million interfaces. JDK 7, Jboss/Tomcat, ClearCase, Ant.

- Architected and developed the Cisco north bound PPM RESTful service to allow customers to retrieve networking device performance data in JSon/XML/CSV. Wrote the Cisco PPM REST API document.
- Refactored back-end remote interface code to improve the distributed performance between gateway and unit components. Worked on web front-end GUI components written in JSP and JavaScript.

POCKETGEAR APPIA, Durham, NC   **2010 - 2011**
HANDANGO, Irving, TX (acquired by PocketGear)   **2007 - 2009**
Senior Software Developer - Engineering
Core technical member of Engineering 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.

- Architected and developed Vodafone India RESTful service for billing and retrieval of mobile ID.
- Developed e-Commerce account and credit card payment SOAP/WSDL web services. Wrote RSA service to encrypt phone numbers. Redesigned/re-wrote backend Appstore code to separate actions from services.
- Developed mobile AppStores for Opera, Zedge, Vodacom South Africa, Vodafone India & Egypt, Myxer, Opera, Iusacell (Mexico), Mobily (Saudi Arabia), Digicel, AMX Claro, BlackBerry RIM, and Sony-Ericsson.

OI TELECOM, Rio de Janeiro, RJ Brazil - **IT Architec**t

AMERICAN AIRLINES, Fort Worth, TX **- Sr Consultant - Contractor / Valtech**

EDS, Rio de Janeiro, RJ, Brazil – **Sr Programmer Analyst**

T-SYSTEMS, São Paulo, SP Brazil – **Project Manager – Contractor / H2M**

DIVEO BROADBAND NETWORKS, São Paulo, SP Brazil – **Sr Systems Manager**

FUJITSU NETWORK COMMUNICATIONS, 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 sample projects   https://github.com/rubensgomes
LinkedIn personal profile   https://linkedin.com/in/rubensgomes