

RUBENS GOMES

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

SENIOR STAFF SOFTWARE ENGINEER / ARCHITECT

- Hands-on Software Engineer with 30+ years of professional experience designing and developing software across diverse programming languages, platforms, and distributed systems architectures.
- Focused on AI-assisted software development, microservices architecture, infrastructure as code (IaC), and CI/CD pipelines across Microsoft Azure and AWS.
- Professional experience with Microsoft Azure, AWS (EC2, ECS, S3), IBM Cloud (Kubernetes), IaC (Terraform, Ansible, CDK), CI/CD (Azure Pipelines, CircleCI, TeamCity, GitHub Actions), and build (Ant/Maven/Gradle).
- Architected American Airlines ticketing microservices and CI/CD pipelines, with deployment to IBM Cloud. Developed microservices, key software libraries, software quality gate, and build systems (ant/ivy/maven).
- Designed and developed the Cisco Systems Prime Performance Manager REST API and authored the official REST API guide.
- Programming experience developing synchronous and event-driven RESTful microservices in Java using Spring Boot and RabbitMQ, as well as in Python using the FastAPI and Flask frameworks.
- Persistence 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, and Redis.
- Professional experience with C, C++, COBOL/JCL/Mark-IV (IBM mainframe), Java, JavaScript, Kotlin, Perl, PHP, Python, Visual Basic, and UNIX scripting. Middleware: NodeJS, CORBA, RMI, REST, SOAP, TCP/IP.

PROFESSIONAL EXPERIENCE

ONBE, Plano, TX (HYBRID)

2025 - present

Senior Staff Engineer - Architecture

Tech Stack: C4 Models, Java 21, Spring Boot, Azure, Maven, Terraform, GitHub Actions, Copilot, Claude Code.

- Contributing to the design and development of payment processing microservices deployed to Azure Cloud.
- Wrote Terraform IaC and GitHub Workflow to provision Azure resources to be used by microservices: ACR, ACA, KeyVault, App Configuration and PostgreSQL Flexible Server.
- Designed and implemented GitHub Actions CI/CD pipelines to build and deploy Spring Boot microservices to Azure Container Apps.

NINJAONE, TX (REMOTE)

2023 - 2025

Java Architect - Architecture

Tech Stack: Java/Kotlin, Python, Gradle, CDK/Ansible, CircleCI/TeamCity, AWS (EC2, ECS, S3, SSM, VPC).

- Wrote AWS CDK, and Ansible playbooks to deploy internal infrastructure apps to AWS EC2 instances.
- Developed tool in Bash (10K+ lines) to deploy NinjaRMM components during QA/Prod rollouts.
- Developed web request filter to add appUserId, divisionUid, and nodeUid to log headers.
- Wrote Swagger classes to generate OpenAPI spec YAML/JSON files of 1400+ RESTful endpoints.

AMERICAN AIRLINES, Fort Worth, TX

2016 - 2023

Senior Architect/Developer – IT Applications

Tech Stack: Java 11/17, Spring Boot, Maven, Azure DevOps, RabbitMQ, Apache Camel, IBM Cloud (Kubernetes).

- Played a lead architect/developer role in the modernization of AA ticketing microservices architecture.
- Architected and implemented departmental microservices, CI/CD pipelines, and software build systems.
- Wrote microservices responsible for the reissue of airline tickets due to voluntary/involuntary changes.
- Developed event-driven microservices to rebook thousands of airline tickets due to flight cancellations.
- Developed the evoucher-ms microservice during the pandemic to issue millions of AA e-Vouchers.

2011 - 2015

CISCO SYSTEMS, Morrisville (Research Triangle Park), NC

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 northbound PPM RESTful service, enabling customers to retrieve network device performance data in JSON/XML/CSV. Authored the Cisco PPM REST API documentation.
- 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 Architect**

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

OPEN SOURCE & AI PROJECTS

- javamcp — Open-source AI Model Context Protocol (MCP) server written in Python, enabling integration of existing Java codebases with agentic AI development tools.
- GitHub: <https://github.com/rubensgomes>

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

LinkedIn personal profile

<https://linkedin.com/in/rubensgomes>