

RUBENS GOMES

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

ARCHITECT / SENIOR STAFF ENGINEER

- Hands-on software architect with 30+ years of experience, currently focused on AI-powered software development, cloud-based microservices, CI/CD pipelines, and Infrastructure as Code (IaC).
- 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).
- Professional experience leveraging AI-assistant coding tools such as GitHub Copilot and Claude Code to accelerate software development while ensuring high code quality and system robustness.
- Developed the open-source "javamcp" AI Model Context Protocol (MCP) server in Python to integrate existing java codebase libraries with agentic AI software development assistant tools.
- 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 shell scripting. Middleware: NodeJS, CORBA, RMI, REST, SOAP, TCP/IP.

PROFESSIONAL EXPERIENCE

ONBE, Plano, TX (HYBRID)

2025 - present

Senior Staff Engineer - Architecture

Hands-on architect working on high-level design specs, proof-of-concept, and the development of microservices. C4 Models, Java/Spring Boot, Azure Cloud, Maven, GitHub Actions, Claude Code, GitHub Copilot, and AI LLMs.

- Writing high level specifications presented to technology executives and the architecture review board.
- Developing API driven microservices using Claude LLM as part of international payment processing.
- Developed the Orders API microservice during a 3-day hackathon for Stable Coins 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.
- Developed tool in Bash (10K+ lines) to deploy 30+ components to NinjaRMM server during QA/Prod rollouts.
- Developed web request filter to add appId, divisionId, and nodeId to log headers.
- Wrote Swagger classes to generate OpenAPI spec YAML/JSON files of 1400+ RESTful endpoints.
- Wrote documentation and setup script to install server in local development environment.

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 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.

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 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

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>