

# Ricássio Costa

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Cloud IAM Engineer | Authentication & Distributed Systems

## Professional Summary

Senior Cloud Engineer with **5+ years of expertise** in IAM and secure microservices architecture using Kubernetes and Go. Expert in designing OIDC-based Single Sign-On (SSO) solutions and **integrating AI tooling (GitHub Copilot, MCP Servers)** to drive operational efficiency. Recognized with the Silver Award for platform innovation, with a demonstrated ability to resolve critical infrastructure bottlenecks and scale secure authentication frameworks in global production environments.

## Professional Experience

- **Cloud IAM Engineer**, Hewlett Packard Enterprise (HPE) – Remote (2022-04 – Present)
  - **Designed and led** the implementation of OIDC-based SSO for HPE GreenLake Platform, recognized with Cloud Platform’s Silver Award.
  - Implemented an AI Agent using GitHub Copilot and MCP Servers that **reduced the team reporting time by 75%**.
  - Leveraged **AI-assisted development** (GitHub Copilot) to refactor legacy SSO APIs, achieving a **65% increase in efficiency**, and streamlining the integration workflow.
  - Improved deployment jobs and testing pipelines, **reducing execution time by 20%**.
  - **Identified and solved a critical memory leak** on the Federation Server, which eliminated recurring overall platform downtime.
- **Software Engineer**, *Instituto Atlântico* – Remote (2020-10 – 2022-04)
  - Developed secure communication between microservices using Go, Kubernetes, SPIRE and TLS/mTLS..
  - Applied data security and encryption best practices for services in transit and at rest.
  - Co-authored **an award-winning internal R&D project** that established a new blueprint for secure, mTLS-based microservice communication across the organization.

## Technical Skills

- **AI & Data:** RAG (Retrieval-Augmented Generation), Vector Databases (pgvector, FAISS, Qdrant), LLM Integration (Claude, GPT), Prompt Engineering, Embedding.
- **IAM & Security Protocols:** OAuth2.0, OIDC, SAML2.0, Federation, Okta, TLS/mTLS.
- **Languages:** Go, Python, JavaScript (Typescript).
- **Cloud & DevOps:** AWS (IAM, EC2, S3), Kubernetes, CI/CD, New Relic, Humio.
- **Core Competencies:** System Design, APIs, Incident Handling during On-Calls.

## Education

- **FULL TECH**, MBA in Software Architecture (Expected June 2026)
- **UNI7**, BSc in Information Systems (Jan 2018 – Jan 2021)

## Certifications and Trainings

- **ISC2:** Certified in Cybersecurity
- **EF SET:** English Certificate 78/100 (**C2 Proficient**)
- **Google:** Google Project Management: Foundations of Project Management