

# Best Technology Talent For Companies Around The World



## João

Senior .NET Engineer | AppSec Specialist | Cloud Architect

### Summary

Senior Software Engineer and Application Security Specialist with 8+ years of experience in enterprise backend development and secure cloud architectures. Strong expertise in C# (.NET 8/9), Python, Azure, Kubernetes, and DevSecOps practices.

Proven ability to bridge development and security by designing secure API architectures, implementing custom RBAC/ReBAC authorization systems, integrating DevSecOps automation into CI/CD pipelines, and conducting white-box security assessments. Experienced in migrating monolithic systems to microservices and optimizing high-throughput APIs.

Combines offensive security knowledge with defensive engineering to build resilient, scalable, and secure systems.

#### TECHNICAL SKILLS:

- Backend: C#, .NET Framework, .NET Core, .NET 8/9, Python
- Frontend (supporting): Angular, React (code review level), Vue (audit level)
- Cloud & DevOps: Azure, AWS, Docker, Kubernetes (AKS/EKS), Terraform, Jenkins
- Architecture: Microservices, DDD, RBAC, ReBAC
- Security: OWASP Top 10, Burp Suite Professional, HashiCorp Vault, RASP Development, SonarQube
- Databases: SQL Server, Cosmos DB, Neo4j
- Observability: Prometheus, Grafana, ELK Stack
- Other: Bash, Node.js, Go

# Professional Career

## Software Engineer | AppSec & Security Research

April 2023 – present | Portugal

### Project info:

Enterprise-grade secure API platform built on modern .NET architecture, focusing on scalable microservices, secure SDLC integration, and DevSecOps automation. The system handles sensitive business logic and enforces strict authorization and compliance standards.

### Responsibilities:

- Secure API Arch (.NET 8/9): Architected scalable DDD-based APIs and a custom RBAC/ReBAC system, enforcing least-privilege access across 10+ microservices.
- Offensive Security: Conducted authorized white-box penetration testing and code reviews, identifying and mitigating 5+ critical vulnerabilities (including XSS, IDOR and Path Traversal) before production.
- Secrets Governance: Orchestrated the enterprise-wide rollout of HashiCorp Vault, eliminating hardcoded credentials in 90% of Dockerized environments and enforcing automated rotation policies.
- DevSecOps Automation: Integrated automated security probing (DAST) into Jenkins pipelines, reducing manual security audit time by 40% and enabling daily secure releases.
- Observability: Deployed Grafana/Prometheus dashboards to monitor real-time attack vectors, improving incident response time (MTTR) by 40%.

### Software and technologies:

C#, .NET 8/9, Azure, Docker, Kubernetes, Jenkins, Vault, Prometheus, Grafana

## Senior Developer | Data Engineer

April 2022 – April 2023 | Portugal

### Project info:

Modernization of enterprise systems through migration from monolithic architecture to Azure-based secure microservices, supporting real-time analytics and business-critical reporting.

### Responsibilities:

- Microservices Optimization: Re-architected legacy monolithic modules into secure Python/Azure microservices, achieving a 50% latency reduction (sub-200ms response) and minimizing the attack surface.
- CI/CD Standardization: Engineered Azure Pipelines to automate deployment, cutting deployment time from days to minutes.

- Data Ops: Optimized high-volume data workflows using SQL Server and Cosmos DB, supporting real-time analytics for business-critical reporting.

**Software and technologies:**

Python, Azure, SQL Server, Cosmos DB, Microservices

## Full-Stack Software Developer

February 2021 – March 2022 | Portugal

**Project info:**

Cloud transformation initiative migrating legacy enterprise systems to Azure Kubernetes Service to improve scalability and reduce operational costs.

**Responsibilities:**

- Cloud Migration: Led the migration of core legacy systems to Azure Kubernetes Service (AKS), improving system scalability and reducing infrastructure costs by 30%.
- Code Quality: Enforced strict code review and Git flow standards, reducing regression bugs in production by 60% during the migration phase.

**Software and technologies:**

C#, Azure, AKS, Kubernetes

## Full-Stack Software Developer

August 2020 – February 2021 | Portugal

**Project info:**

High-concurrency graph-based data system requiring performance tuning and backend automation for real-time business operations.

**Responsibilities:**

- Performance Tuning: Tuned Neo4j queries and Node.js APIs to handle high-concurrency loads, ensuring sub-second latency for complex graph data retrievals.
- Automation: Implemented Azure Logic Apps for backend process automation, increasing data processing throughput.

**Software and technologies:**

Node.js, Neo4j, Azure

## C# Developer

July 2017 – July 2020 | Portugal

### Project 1 info:

Enterprise modernization project migrating legacy .NET applications to modern architecture with AI integration prototypes

### Responsibilities:

- Innovation: Utilized Azure Machine Learning to create proof-of-concept solutions, bridging the gap between .NET application development and AI capabilities for client demos.
- Led project development for applications from legacy WebForms to .NET Core, working closely with end-users to iterate on features based on direct feedback.

### Software and technologies:

C#, .NET Core, Azure ML

### Project 2 info:

- High-availability enterprise .NET platform upgrade.
- ERP and reporting systems development for enterprise clients.

### Responsibilities:

- Led the transition to high-availability architecture for enterprise .NET applications.
- Developed ERP tools and reporting modules using WPF/XAML
- Coordinated project execution and stakeholder communication

## Education

2015 – 2020

Etep - Centro Universitário

Bachelor's Degree in Computer Engineering

## Foreign Languages Skills

**English:** Upper-Intermediate

**Spanish:** Upper-Intermediate

**Portuguese:** Native