

## João Victor Junqueira Passinho do Nascimento

dev.junqueira@gmail.com | linkedin.com/in/joao-victor-junqueira | github.com/junque1r4 | - <https://junqueira.work> | Europe

### Professional Summary

A hands-on and proactive Security Engineer with over 5 years of experience specializing in embedding robust security controls into cloud infrastructure, applications, and DevOps pipelines. Proven ability to conduct comprehensive threat modeling, manage vulnerabilities, and lead incident response in fast-paced, regulated environments. Passionate about partnering with engineering and compliance teams to anticipate, detect, and mitigate security risks, ensuring adherence to global industry standards.

### Professional Experience

#### Founder / Freelancer |

##### March 2025 – Present | Lisbon, Portugal

- **DevSecOps:** Empowering developers through targeted security training. Implementing secure coding practices and conducting code reviews to ensure the development of secure applications.
- **Rust Developer:** Implementing secure coding practices and conducting code reviews to ensure the development of secure applications. Developing secure APIs and microservices in Rust. Web3 development and smart contract security for Solana.

#### Cybersecurity Engineer | KWAN (Assigned to the MBWay project)

##### March 2024 – September 2025 | Lisbon, Portugal

- **Threat Modeling & Risk Assessment:** Design and execute comprehensive threat models and architecture risk assessments for a critical financial platform, proactively identifying and mitigating security risks in new features and systems.
- **Security Control Implementation:** Design, implement, and maintain security controls for cloud environments, collaborating with engineering to embed secure coding standards and best practices directly into the development lifecycle.
- **Detection & Incident Response:** Develop and maintain security monitoring workflows (SIEM/SOAR), intrusion detection, and alerting. Lead incident response procedures, including triage, forensics, root-cause analysis, and creating detailed runbooks.
- **CI/CD Pipeline Security:** Automate security testing within CI/CD pipelines, integrating SAST, DAST, and container scanning to provide fast and accurate feedback to developers.

#### Application Security Analyst | act digital (Assigned to the Alelo Brasil project)

##### July 2022 – March 2024 | Remote, Brazil

- **Vulnerability Management:** Managed the vulnerability management program, including conducting regular scans, prioritizing findings based on risk, and verifying remediation efforts.
- **Compliance & Secure Design:** Implemented and validated key security controls for the PCI-DSS framework, ensuring compliance requirements were translated into secure system design and supporting internal/external audits.
- **Security Awareness & Training:** Acted as a security champion, coaching engineering teams on secure coding practices and facilitating security awareness programs to

foster a culture of security.

- **Identity & Access Management:** Contributed to defining and enforcing identity and access management policies across critical systems.

Software Security Analyst | Compass.uol (Assigned to projects for Vivo, Frete.com, Assaí)  
May 2019 – July 2022 | Remote, Brazil

- **Code Review & Vulnerability Analysis:** Performed in-depth code reviews and analyzed vulnerabilities in a wide range of software, developing a strong understanding of mitigation techniques.
- **Third-Party Risk Assessment:** Analyzed and validated third-party penetration testing reports and red team findings, translating results into actionable internal remediation plans.
- **Security Automation:** Utilized Python and Rust to automate security tasks and processes, improving the efficiency of security operations.

### Core Competencies

- **Application & Cloud Security:** Threat Modeling, Architecture Risk Assessment, Code Review, Vulnerability Management (SAST, DAST), Penetration Testing Frameworks, SIEM/SOAR, Kubernetes & Docker Security.
- **Blockchain Security:** In-depth knowledge of blockchain-specific threats, including wallet and key-management attacks, consensus-layer exploits, and exchange/custody vulnerabilities.
- **DevSecOps:** Automating security in CI/CD pipelines, Infrastructure as Code (IaC) security. (Multi cloud: AWS, Azure and GCP)
- **Incident Response:** Triage, Forensics, Root-Cause Analysis, Regulatory Reporting.
- **Compliance & Frameworks:** Strong experience with PCI-DSS and familiarity with global regulatory frameworks for financial services (ISO 27001, SOC 2 principles).
- **Technical Skills:** Python, Rust, Go, AWS Security Best Practices.

### Personal Projects | Industry Engagement & Open Source:

- **Solana Money Exfiltration Security Analysis:** Independently researched the Solana L1 protocol, developing analysis tools in Rust. This project involved a deep dive into the technical architecture and potential security vectors of a major blockchain.
- **Web3 Security Community:** Actively participate in the Web3 community, collaborating on and auditing new DeFi protocols. This includes analyzing their multisig and governance structures, demonstrating a proactive approach to identifying and mitigating risks in the digital asset ecosystem.
- **Open Source tools:** As a dedicated advocate for the open-source community, I have channeled my technical expertise into developing impactful tools that significantly enhance accessibility and streamline critical processes. My commitment is exemplified through projects like MacToSearch and Tenable Audit Modifier and many more available in my personal repository.

### Education & Certifications

- Bachelor's Degree in Computer Science | Universidade Salvador (2019)
- Certified Blockchain Security Professional
- EXIN Secure Programming Foundation

### Languages

- **Portuguese:** Native
- **English:** Professional working proficiency (C1)
- **Spanish:** Working proficiency (B1)
- **Russian:** Basic proficiency (A2)