

Rui Oliveira, Software Engineer

Experience in distributed computing, microservices, and cloud architectures within a Cloud-Native Application Security Platform, focusing on security, monitoring, observability, and CI/CD.

Professional Experience

Software Engineer at Checkmarx

2023 - Present

January 2024 • Present (Secrets Detection & Repo Health)

- Developed microservices based solution for automated scanning of secret exposure (API keys, encryption keys, tokens, certificates) to prevent supply chain attacks and leaked credentials risks.
- Led the implementation of monitoring and observability tools for real-time visibility into system activity.
- Improved CI/CD with an emphasis on testing, code quality, security and automated hotfix deployment.
- Skills: Go, TypeScript, React, REST, gRPC, RabbitMQ, PostgreSQL, CI/CD, Git, Docker, Kubernetes, Microservices, Elastic Search, AWS.

April 2023 • December 2023 (Static Application Security Testing - SAST)

- Contributed to the support of the Go language for static application security testing (SAST), improving the detection of security flaws in cloud-native and microservices architectures.
- Built a Policy Management Platform for SAST, enabling organizations to enforce security rules at scale and ensure compliance with internal standards.
- Skills: Go, C#, .NET, JavaScript, HTML, CSS, React, REST, MS SQL.

Research Assistant at INESC Technology and Science - Associate Laboratory

2022

March 2022 • November 2022

- Adapted and implemented a new data management solution for a climate change initiative, improving data accessibility and efficiency.
- Skills: Python, Docker, PostgreSQL.

Education

MSc in Computer and Software Engineering, Universidade do Minho

2017 - 2022

September 2017 • December 2022

- Enterprise project: Reformed the middleware that allows the treatment of more than 100 routes provided by a transportation company.
- Specialization: Distributed Systems and Parallel and Distributed Company.
- Dissertation: Scientific Data Management.

Skills

Languages: Go, Java, Python, C#, JavaScript, TypeScript, HTML, CSS, Bash

Databases: PostgreSQL, MySQL, MS SQL, MongoDB

Other Technologies & Tools: React, Node.js, .NET, Docker, Kubernetes, Elastic Search, AWS, Git, Github, CircleCI, JIRA, REST, gRPC

Portuguese C2 **English** C1 **Spanish** B2