

Luis Machado Reis

Location: Balneário Piçarras, Santa Catarina, Brazil

Phone: +55 (34) 99889-5371

Email: luis.reis@singularideas.com.br

LinkedIn: linkedin.com/in/luismachadoreis

GitHub: github.com/luismr

Website: luismachadoreis.dev.br

Professional Summary

Experienced Software Architect and Engineering Leader with over 20 years of hands-on experience designing, modernizing, and scaling high-performance, resilient systems. Proven track record in fintech, SaaS, and telecom, with deep expertise in cloud-native solutions (AWS, GCP), microservices, DevOps, and full-stack delivery. Skilled in leading global teams, implementing CI/CD pipelines, and aligning architecture with business impact.

Core Competencies

- Software Architecture & Modernization
- Backend & Full-Stack Engineering (Java, Spring Boot, Python, .NET, React, Angular, Vue)
- Cloud Computing (AWS, GCP), Kubernetes, Docker
- CI/CD & DevOps (GitHub Actions, Jenkins, Bamboo, Terraform, Ansible)
- Frontend Development with React, Vue, Angular, TypeScript
- Microservices & Event-Driven Systems (RabbitMQ, Kafka)
- Scalable, Secure Systems Design (OAuth2, OpenID, JWT, PCI DSS)
- Technical Leadership & Team Mentorship
- Performance Optimization & Observability
- Agile Development, Remote Team Collaboration

Professional Experience

Trustly - Head of Software Architecture

Sep 2022 - Feb 2025 | Vitória, Brazil

- Led cloud-native architecture of real-time payment platform (Java, AWS, Spring Boot)
- Designed microservices, CI/CD (GitHub Actions, Bamboo), and automated infrastructure
- Achieved 99.99% uptime during high-traffic events like the Super Bowl
- Reduced transaction latency by 40% and improved overall reliability

Aurea Software - Product Chief Architect

Sep 2015 - Aug 2022 | Austin, TX (Remote)

- Modernized enterprise SaaS products including Lyris, Prysm, FogBugz, DevFactory
- Migrated systems to AWS, introduced Docker/ECS and infrastructure-as-code
- Led frontend modernization with React, TypeScript, and component architecture
- Delivered DevOps pipelines (Jenkins, GitHub Actions) and code quality automation

SingularIdeas - Senior Software Specialist

Apr 2005 - Sep 2022 | Uberlândia, Brazil

- Designed scalable SaaS applications using Java, React, and cloud services
- Built full-stack apps with responsive UIs in Angular, Vue, and React
- Developed backend APIs, CI/CD pipelines, and cloud-native automation

LigFlat Telecom - Founder & Software Architect

Aug 2013 - Dec 2019 | Uberlândia, Brazil

- Developed complete OSS/BSS platform, integrating VoIP, billing, and CRM
- Architected systems using Java, MySQL, and telecom protocols (SMPP, SIP)
- Automated network provisioning with Ansible and deployed via Bamboo

Algar Telecom - QA Engineering Manager

Jul 2008 - Dec 2012 | Uberlândia, Brazil

- Managed software quality, QA processes, and platform optimization
- Delivered stable portals and ecommerce platforms with .NET and Oracle

Education

Bachelor of Computer Science

Universidade da Região da Campanha (1997-2000)

Certifications

- **SCEA - Sun Certified Enterprise Architect**
- **SCJP 6 - Sun Certified Java Programmer**
- **EF SET C2 Proficient - English Certification**
- **IBM AIX Administrator / User**
- **Conectiva Linux Administrator I & II**

Languages

- Portuguese: Native
- English: Fluent (C2 - Proficient)

Projects & Portfolio

- [Real-Time Flight Tracker](#)
Java, Python, TypeScript, React, Kafka
Scalable architecture to process and visualize live flight events in real-time.
- [Flight Tracker App](#)
React, TypeScript
Interactive frontend interface for flight event visualization.
- [Heimdall Realm](#)
TypeScript, Express, Serverless, JWT
Secure access control service built on a serverless stack with JWT authentication.
- [Blueprint Prompts MCP Server](#)
TypeScript, Node.js, Claude API, Cursor Integration
Blueprint-based prompt management server to support AI workflows using Claude and Cursor.

Tools & Technologies

Languages & Frameworks: Java, Spring Boot, .NET, Python, JavaScript, TypeScript, React, Vue, Angular

Cloud & DevOps: AWS, GCP, Kubernetes, Docker, Terraform, Ansible, Jenkins, Bamboo, GitHub Actions

Architecture: Microservices, Modular Monolith, Serverless, Event-Driven

Databases: PostgreSQL, MySQL, SQL Server, Oracle

Messaging & Integration: Kafka, RabbitMQ, ActiveMQ, SQS

Security: OAuth2, OpenID, JWT, PCI DSS

Monitoring: Prometheus, Grafana, AWS CloudWatch