

ROBERTO NOGUEIRA

RESUME



Residence: S.J. dos Campos-SP, Brazil **Civil Status:** Married
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SUMMARY:

Telecom/Software Engineer with 10+ years of experience in Development, Operations, and Integration, including 7+ years in Ruby on Rails and 3+ years as an Ericsson Certified Consultant. Skilled in Ruby, Python, Elixir, JavaScript, React, and GraphQL, with expertise in event-driven architectures, Sidekiq, Redis, microservices, DevOps (Docker, Kubernetes, AWS) and AI Automation. Experienced in OSS/BSS Ericsson products, scalable systems, and CI/CD pipelines. Strong background in multi-cultural, international environments (+2 years abroad), mentoring, and driving innovation. Fluent in English, open to travel and shift work.

OBJECTIVE:

- Software Developer (Backend and Fullstack).

SPECIALTIES:

- Software Development, Solution Integration, Project Management and Systems Support.

SKILLS:

- Operating systems: Linux/Unix, OSX, Sun OS(SPARC, x86), Cygwin, Windows(WSL), AXE* and CPP*.
- Telecom Products: MSS*, BSS(WCDMA/GSM)*, OSS-RC* and APG*.
- Main Languages: Plex*, Hlplex*, Python, Java, Javascript, Erlang/OTP, Elixir, Ruby and Go.
- Scripting: Bash, VB/Excel and MOshell*.
- Frameworks: Bootstrap, Ajax, JQuery, Vue, React and Ruby on Rails.
- DevTools: Postman, Vscode, JetBrains IDEs, Datadog, Kibana, Redash, Rollbar, Figma and Zendesk.
- Test: PyTest, JUnit, Jasmine, EUnit, ExUnit, RSpec, Minitest(parallel testing) and SimpleCov.
- DevOps: CAMs Model, Git, Github, Github Actions, Gitlab, Bitbucket, Puppet, Docker and Kubernetes.
- Providers/Cloud: VirtualBox, Parallels, WSL2/G, AWS, Engine Yard, Heroku, IBM and StarlingX.
- Data Science: R, RStudio, Web/BigData Analytics and Cognitive Services.
- Databases: Sybase, PostgreSQL, MySQL, Oracle/PL/SQL, MongoDB, Redis and Neo4j.
- Methods: Scrum(Confluence/Jira, Trello), CMM, SDMM* and Props*.
- DesignTools: Clean code, SOLID, DRY, LoD and Design Patterns.
- AITools: Generative AI, Github Copilot, MCP Servers, AI Automation and Vibe Coding.
- Architectures: REST, GraphQL, Clean, Layered, Modular Monolith(Packwerk) and Domain Driven Design(DDD).

* Means proprietary assets.

IDIOMS:

- English: Writing, reading and communication fluency. Large abroad experience.
- Spanish: Reading and intermediary communication fluency. Large abroad experience.

EDUCATION:

- **1998** Datacom (Extension Courses) , USP.
- **1994** Software Engineering (Postgraduate), UNIVAP.
- **1985** Telecom/Electronic Engineering (Graduate), INATEL.

PROFESSIONAL EXPERIENCE:

6/2021 - 09/2024 Encora, Campinas - BRAZIL (Remote)

Systems Specialist

Working on Windriver, a cloud-native, on-premise, private cloud solution, consisting of a cloud platform, orchestration and analytics for virtualized and containerized applications.

- Contributing to Edge Cloud Open Source projects by leveraging StarlingX, OpenStack, CentOS/Debian, Python, and Puppet.
- Collaborating cross-functionally with product and operations teams to improve system performance and reliability.
- Performing StarlingX CentOS upgrades and ports to Debian-based packages

Working on Justworks, streamlining payroll, benefits, compliance, and HR operations to help users focus on learning, growth, and meaningful goals.

- Developing and maintaining scalable Ruby on Rails applications integrated with React, GraphQL, and microservices.
- Leading technical interviews and mentoring junior developers in Ruby, API design, and DevOps practices.
- Optimizing event-driven systems by implementing Sidekiq for background jobs and Redis for caching and real-time synchronization.
- Lead the initiative to create a Web tool to upload files burst in S3 with Redis and Sidekiq Pro.
- Modernizing underlying domain erb's pages interface with React.
- Maintaining and instrumenting Web interfaces with Datadog.
- Achieving new API integrations with Kibana, Slack, JIRA, and Zendesk.
- Developing and maintaining Modular Monolithic Integration with Packwerk.
- Debugging and checking Skylab CI/CD pipelines in deployment workflows.
- Achieving new API integrations with Sendgrid and Google Tag Manager.
- Debugging and checking Github Actions CI/CD pipelines in deployment workflows.

Projects:

- WRCP (StarlingX) - Windriver - USA
- PEO System (Ruby on Rails) - Justworks - USA
- Time Tracker (Ruby on Rails) - Justworks - USA

Skills: Ruby, Ruby on Rails, React, GraphQL, Sidekiq, Redis, MySQL, StarlingX, OpenStack
OpenStack, CentOS/Debian, Python, Puppet, GitHub Copilot, Docker, Kubernetes, Datadog, Rollbar, Redash

07/2018 - 06/2021 InMov, São Paulo - BRAZIL (On-site)

Senior Software Developer (full-stack)

Working on InMov which develops technological solutions that connect public administration and citizens to form collaborative and digital management in a smart city.



- Designed and developed Ruby on Rails solutions for public administration, including integrations with MySQL and Dockerized environments.
- Led Rails version upgrades, modernizing legacy systems from Rails 4.2 to 6.0, improving security and performance.
- Developed custom CLI tools using Bash and Docker to streamline development workflows.
- Implemented caching and background processing optimizations using Sidekiq for high-performance web applications.

Projects:

- City Hall Permit System (Ruby on Rails) - Eicon - BRAZIL
- Site Rails Manager (Bash, Docker) - Eicon - BRAZIL

Skills: Ruby, Ruby on Rails, Javascript, JQuery, Ajax, Bootstrap, Bash, Sidekiq, Redis, MySQL, Docker



06/2013 - 06/2018 Zoatworks, São José dos Campos - BRAZIL (On-site)

Consultant - Contract

Working on Zoatworks, a privately held services provider, specializing in Software Development, Systems Support, Technical Instruction, Coding Expertise for AI Assistance.

- Designed and implemented Ruby on Rails solutions across multiple industries, including telecom and enterprise applications.
- Provided consultancy and Training on PLEX, Erlang/OTP and Elixir-based backend systems, helping companies optimize software architectures.
- Developed custom integrations with enterprise solutions such as OSS/BSS, SAP, Oracle PL/SQL, and Business Objects.

Projects:

- Adalve (Ruby on Rails) - Lab360 - BRAZIL
- Market Design (Plex, Erlang) - Unicom - CHINA
- Taxweb Auditor (Ruby on Rails) - GSW - BRAZIL
- OSS Support - Entel - CHILE
- Technical Training (Plex) - Ericsson - BRAZIL

Skills: Ruby, Ruby on Rails, PLEX, Erlang/OTP, Elixir, SAP, Oracle PL/SQL, Business Objects, Ericsson OSS/BSS



12/2004 - 06/2013 Ericsson, Indaiatuba, São Paulo - BRAZIL (On-site)

Software Developer, Integration Engineer | Solution Integrator, Project Manager

Working on Ericsson Test Technology, R&D, Customer Support, Integration and Deployment areas.

- Designed, developed, and deployed telecom software solutions for large-scale distributed environments.
- Led international projects in Canada, Ireland, USA, Mexico, and Chile, delivering OSS/BSS system upgrades.
- Created automation scripts using Bash, Ruby, and Rake to optimize software deployments.
- Contributed to Revenue Assurance solutions for VIVO, integrating Sun OS, OSS, and distributed system architectures.
- Competence Transfer in Mexico: Provided technical training on OSS/BSS software solutions.

Projects:

- BSS Rehoming - Ericsson - MEXICO
- MOP Automation (VB/Excel, Ruby, Rake) - Ericsson - BRAZIL
- Revenue Assurance (OSS, Ruby) - Vivo - BRAZIL
- OSS Upgrades - Ericsson - LATAM
- OSS Support - Ericsson - IRELAND / USA
- BSS Upgrades - Ericsson - CANADA



Skills: Bash, MOshell, Rake, VB/Excel, Ruby, Python, Business Objects, Ericsson OSS/BSS

PORTFOLIO:

- See in: [enogrob - Roberto Nogueira's blog](#)

CERTIFICATIONS:

- **2013** SAP Integration Certification, Softway
- **2008** Solution Integrator Experienced Certification(Job Stage 5), Ericsson

SPECIALIZATIONS/COURSES:

- **2025** AI Automation, Udemy
- **2025** MCP Crash Course, Udemy
- **2025** Working with Vue 3 and Go, Udemy
- **2025** Working with Microservices in Go, Udemy
- **2025** Github Copilot, Udemy
- **2023** Metaverse, Coursera
- **2018** Elixir: Scalable and Efficient Application Development, Udemy
- **2017** Specialization in Erlang Programming, Kent University, FutureLearn
- **2016** Specialization in Ruby on Rails Web Development , Johns Hopkins University, Coursera
- **2015** Web Applications Architectures, University of New Mexico, Coursera
- **2014** Specialization in Data Science, Johns Hopkins University, Coursera
- **2010** Ruby on Rails Advanced, Caelum
- **2010** Ruby on Rails, Caelum