

Joubert Guimarães de Assis

Senior Software Engineer & DevOps

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SUMMARY

Seasoned Senior Software Engineer and DevOps specialist with 15+ years of experience in backend development, cloud infrastructure, and financial systems, including banking and payments. Committed to secure coding practices, ensuring robustness in critical systems. Extensive experience in optimizing systems and DevOps workflows across startups and enterprises. Open-source evangelist, speaker, and mentor, dedicated to continuous learning and knowledge sharing.

SKILLS

Proficient: PHP, Golang, AWS, Heroku, Docker, MySQL, MariaDB, SQLite, Bash scripting, Symfony, Slim, gRPC, Linux, Terraform, Clean code, Clean architecture, Microservices, Software Testing, System Design, Mentoring.

Intermediate: Node.js, Typescript, JavaScript, React, React Native, jQuery, HTML5, CSS3, Observability, PostgreSQL, MongoDB, Crawling, Redis, Laravel, GCP, Bootstrap, Tailwind, Event driven, Kafka, Networking, GraphQL.

Beginner: Python, Rust, Kubernetes, Flutter, Azure, Prometheus, Grafana.

PROFESSIONAL EXPERIENCE

PepsiCo as CI&T – Belo Horizonte, Brazil – Remote

May 2024 – Present

Senior Software Engineer

- Developed and optimized features for APIs, back-office, mobile, and web apps serving millions of users across PepsiCo's Latin American markets, ensuring global alignment and support.
- Implemented a queue-based solution to optimize order processing, reducing issues by approximately 81%.
- Assisted multidisciplinary and multicultural colleagues with best coding practices, setting up development environments, deployments, debugging in local and QA, container engines, PHP technologies, pipelines, and more.
- Configured, managed, and provided support for back-office systems used by the QA team.
- Supported the onboarding of new team members from CI&T into PepsiCo's projects.
- Proposed and contributed to refactoring and unit testing, reducing technical debt by approximately 28% to 35%.

Key Technologies and Tools: PHP, Symfony, Pimcore, React, React Native, Node.js, Podman, Rancher, MySQL.

4Yousee – Belo Horizonte, Brazil – Remote

Aug 2023 – Aug 2024

Senior Software Engineer

- Established and trained teams on development standards to improve delivery efficiency and quality.
- Analyzed, studied, and presented architectural solutions, improvements, and refactorings for the legacy system.
- Managed and supported AWS cloud resources, optimizing usage and implementing Infrastructure as Code (IaC).
- Led the implementation and guided the adoption of SSO, improving product integration and user experience.
- Assisted in the analysis and interviewing of candidates for technology positions within the company.

Key Technologies and Tools: PHP, Symfony, Node.js, Docker, MySQL, MongoDB, AWS, Terraform, Keycloak.

Edvisor – British Columbia, Canada – Remote

Apr 2022 – Mar 2023

DevOps & Senior Software Engineer

- Automated web crawling with Puppeteer in AWS Lambda, reducing insurance business flow processing time by 80% for workflows lacking API integration.
- Optimized business rules for research, applying filters and facets in course and educational institution searches.
- Implemented error tracking and reporting solutions with Sentry for proactive issue identification and resolution.

- Designed and implemented a GraphQL Federation project using subgraphs in a microservices architecture.
- Created scripts to automate database restoration across different environments.
- Enhanced Infrastructure as Code (IaC) automation flows for improved deployment efficiency.
- Conducted code reviews and mentored junior team members to enhance collaboration and knowledge sharing.

Key Technologies and Tools: Typescript, JavaScript, NestJS, Knex, Sequelize, GraphQL, Apollo Federation, Puppeteer, Serverless, Node.js, Meteor, AWS, GCP, CircleCI, Datadog, Sentry, GitHub Actions, MongoDB, Metabase.

Medportal – Rio de Janeiro, Brazil – Remote

Mar 2022 – Sep 2022

Consulting Senior Software Engineer (part time)

- Integrated with AWS Cognito to provide authentication and authorization flows in restricted API routes.
- Implemented a new account registration flow with the SAGA pattern, fixing user registration issues.
- Developed a configurable forgot password flow, enhancing user autonomy.
- Enhanced route validations in user management.

Key Technologies and Tools: Golang, AWS, Postgres, Memcached, Sendgrid, jQuery, HTML, CSS, Fomantic-UI.

PicPay – Vitória, Brazil – Remote

Aug 2020 – Sep 2021

Senior Software Engineer

- Redesigned the partner onboarding architecture, removing individual microservices and simplifying integration.
- Implemented a configuration-driven system, allowing dynamic partner integrations without requiring code changes.
- Developed a microservice to process configurations and generate JSON for dynamic mobile UI rendering.
- Introduced Golang with goroutines, improving performance and reducing execution time by 63%.
- Enabled the back-office team to onboard partners independently, significantly reducing the integration queue.
- Led technical interviews, assessed coding challenges, and provided evaluations to HR.
- Mentored colleagues on effective interviews, focusing on evaluation, questions, and candidate experience.

Key Technologies and Tools: Golang, PHP, Laravel, Symfony, Docker, Docker compose, Beanstalkd, Minio, MongoDB, Redis, MySQL, Kubernetes, AWS EC2/S3/Kinesis, Bash scripting, New Relic, Swagger.

EDUCATION

MBA in Information Technology Management

Anhuera University Center – Belo Horizonte, Brazil

Jan 2025 – Present

Bachelor of Information Systems (NFQ Level 8)

UNA University Center – Belo Horizonte, Brazil

Jan 2009 – Dec 2013

CERTIFICATES/COURSES

AWS Certified Cloud Practitioner, Amazon Web Service (AWS)

Oct 2024 – Oct 2027

Functional Programming with Python, Federal University of Minas Gerais

Apr 2023

Modern Software Engineering and Software Testing, Federal University of Minas Gerais

Nov 2021

LANGUAGES

Portuguese: Native.

English: Advanced.

Full version of resume: https://redrat.com.br/assets/resume/resume_en-us.pdf