

CAIO GABRIEL CRUZ AMORIM

SYSTEMS ANALYST

Salvador – BA • Available for remote work

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PROFESSIONAL SUMMARY

Back-end developer focused on Java and Spring Boot, with production-environment experience in legacy system modernization, REST API creation, and microservices architecture. Involvement across the entire development lifecycle, from business logic to CI/CD pipelines. Strong interest in performance and software engineering, demonstrated through personal projects involving computer graphics and real-time systems.

TRAINING

- Systems Analysis and Development — Instituto Federal da Bahia (IFBA)
 - In progress (4th semester) • Salvador – BA
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PROFESSIONAL EXPERIENCE

Netra Tecnologia — Junior Systems Analyst

- December 2025 – Present • Salvador – BA

Rehired as a contractor at the Bahia Municipal Courts of Auditors (TCM-BA) following an internship, continuing the modernization of the systems.

- I refactor legacy APIs from Java 8 and PHP (Laravel) to Java 17, adhering to enterprise architecture standards, resulting in performance gains, security improvements, and cleaner code for easier maintenance.
- I implement improvements and new business rules in the organization's critical systems.

Tribunal de Contas dos Municípios do Estado da Bahia (TCM-BA) — Trainee

- March 2025 – December 2025 • Salvador – BA
- I developed a REST API using Java 17 and Spring Boot for CRUD operations, centralizing the management of the portal's content and public files and reducing manual effort for administrators.
- I maintained and evolved legacy systems built on Java 8 (Spring Boot), working on complex modules such as the Vacation module; I implemented business rules, web service integrations, and bug fixes, thereby enhancing system stability.
- I developed a cross-platform application using React Native to expand mobile access to the Portal's services.
- I configured CI/CD pipelines in GitLab, automating testing, security analysis, builds, and deployments.

PROJECTS

Event Horizon — github.com/CaioGabriel777/Event-Horizon

A cinematic web experience simulating the approach to a physically realistic Schwarzschild black hole, featuring real-time rendering of gravitational lensing and a volumetric accretion disk.

- Performance engineering: geodesic raymarching (RK4 integration) with adaptive-resolution FBO rendering and "vacuum skip" optimization, achieving 55+ FPS on integrated GPUs.
- Technologies: Next.js, React, TypeScript, Three.js, React Three Fiber, GLSL, WebGL.

Gitbot4Slack — gitbot4slack.com

GitHub-Slack integration bot for development teams, featuring real-time notifications for pushes, pull requests, reviews, tags, and deployment status, as well as authentication via GitHub OAuth.

- Technologies: Java, Spring Boot, Docker, Slack API, GitHub API, Next.js, React, TypeScript, PostgreSQL, Oracle Cloud.

TECHNICAL SKILLS

- Languages: Java, TypeScript, SQL
- Back-end: Spring Boot, Hibernate
- Front-end / Mobile: React, Next.js, React Native
- Messaging & Cache: RabbitMQ, Redis
- DevOps & Infra: Docker, GitLab CI/CD, Coolify, Oracle Cloud
- Databases: PostgreSQL, SQL Server
- Testing and Quality: JaCoCo
- Versioning: Git, GitLab, GitHub

QUALIFICATION COURSES

- Spring Boot Expert: JPA, REST, JWT, OAuth2 with Docker and AWS — Udemy · May/2026
- Spring Boot + Kafka: Complete Microservices Architecture — Udemy · March 2026
- Real-Time Communication with Spring Boot, WebSocket, and Redis — Udemy · February 2026
- Java Backend: RESTful API and Microservices — Udemy · October 2025