

Douglas Fernandes

Full Stack Developer | QA Analyst

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PROFESSIONAL SUMMARY

Full Stack Developer finishing a degree at IFRN, with two years of experience in QA. Build SaaS platforms and integrations with Python and TypeScript, from Django REST Framework on the backend to Next.js/React on the frontend. Currently developing a healthtech platform for the international market, compliant with GDPR and HIPAA, under periodic audits and repository access control. In QA, handle automated E2E and integration testing and quality-cycle documentation. Seeking a role in digital product engineering focused on quality and problem-solving.

PROFESSIONAL EXPERIENCE

Full Stack Developer

Jun 2025 - Present

IFRN - Data Analysis and Computational Intelligence Center (NADIC), Pau dos Ferros/RN, Brazil

- End-to-end development of a SaaS platform for a healthtech startup, serving an international market and compliant with GDPR and HIPAA, using Next.js on the frontend and Django REST Framework on the backend.
- Work in a high-compliance environment, with restricted repository access control and periodic code and security audits.
- Implementation of multi-tenant architectures, ensuring data isolation and scalability for multiple clients.
- Containerization of services with Docker, streamlining deployment workflows.
- Database modeling, REST API development, and implementation of the user interface.

Quality Assurance Analyst (QA)

May 2024 - Present

IFRN - Data Analysis and Computational Intelligence Center (NADIC), Pau dos Ferros/RN, Brazil

- Quality assurance of a healthtech platform for an international market, compliant with GDPR and HIPAA, operating under recurring audits and strict repository access control.
- Design and execution of automated E2E tests with Playwright and integration tests with Pytest.
- Execution of exploratory manual testing to verify the stability of production releases.
- Full management of the quality cycle: test cases, user guides, release reports (MRL), and deployment pipeline artifacts.
- Ongoing focus on bug reduction and improvement of the end-user experience.

Full Stack Developer (Freelance)

Feb 2026 - Jun 2026

Summerpass Brasil, Remote

- Development and maintenance of an event management and ticket-sales platform, with multi-level access control (Admin, Producer, Customer, Check-in Agent, and Usher).
- Implementation of event management with venue floor-plan upload for sectioned tickets and QR Code check-in.
- Creation of detailed financial dashboards and integration with payment gateways (Asaas and Mercado Pago).
- Integration of external APIs (Google Maps) and a per-producer custom Meta Pixel.

Full Stack Developer (Freelance)

Feb 2026 - Jun 2026

StudioRAW Brasil, Remote

- Development and deployment of a multi-tenant SaaS for photography studio management.
- Building of an integrated panel: client management, syncable calendars (Google Calendar and Apple), and image galleries stored via Cloudflare R2.
- Implementation of automated workflows: email notifications, contracts with digital signature (Autentique), and PIX charges via the Asaas API.
- Containerized architecture with Docker, hosted on a VPS. Stack: Next.js, Django REST Framework, PostgreSQL, Docker, Cloudflare R2.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, Java, C++, C
Backend: Django, Django REST Framework, FastAPI, REST APIs
Frontend: Next.js, React.js, HTML5, CSS3
Databases: PostgreSQL, MySQL
QA & Testing: Playwright (E2E), Pytest (integration), exploratory manual testing, test documentation, release reports (MRL)
AI & Productivity: Claude, Prompt Engineering, AI applied to development
DevOps & Infrastructure: Docker, Git/GitHub, VPS, Cloudflare R2
Cloud: Amazon Web Services (AWS), Google Cloud Platform (GCP)
Messaging & Observability: RabbitMQ, Grafana, Prometheus

EDUCATION

Technologist Degree in Systems Analysis and Development Mar 2023 - Present
IFRN - Federal Institute of Rio Grande do Norte • GPA: 7.5/10

Embedded Systems - Continuing Education (FIC) Nov 2024 - Feb 2025
IFRN - Federal Institute of Rio Grande do Norte • GPA: 9.2/10
Focus on Industry 4.0, IoT, and programming in C with the Raspberry Pi Pico W.

PROJECTS

IFSports Feb 2025 - Aug 2025
Web system for managing sports competitions with a microservices architecture. Backend in Django with PostgreSQL, frontend in Next.js, and asynchronous communication via RabbitMQ. Deployed on Google Cloud Platform (GCP), with observability via Grafana and Prometheus.

StoreGate Feb 2025
Management system in Django with three user levels (CEO, Manager, and Salesperson) and specific permissions. Academic project integrating the Database, Web Development, and Object-Oriented Programming courses.

CERTIFICATIONS

- AI Fundamentals for Programmers, B7Web (2026)
- Prompt Engineering for Developers, B7Web (2026)
- AI Productivity in Development, B7Web (2026)
- SQL from Scratch, B7Web (2026)
- English B2, EF SET (2024)
- TypeScript, B7Web (2024)
- JavaScript, B7Web (2024)
- Databases, B7Web (2024)
- Git/GitHub, B7Web (2023)
- HTML5 & CSS3, B7Web (2023)

LANGUAGES

Portuguese: Native
English: Upper-Intermediate (B2, EF SET)