

Eduardo B. Nunes

SOFTWARE DEVELOPER · FULL-STACK DEVELOPER

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About Me

Full-Stack Software Developer with over 4 years of experience in mission-critical systems in the public sector. Specialized in microservices architecture with Java and Spring Boot, working on real-time data systems, geospatial tracking, media streaming, digital identity integration, and regulatory compliance.

Bachelor's Degree in Computer Science (UNIFOR, 2023). Interested in Linux, information security, and computation theory. Emacs user. Advanced English; learning Spanish, LIBRAS, and Esperanto.

Experience

Secretaria da Segurança Pública e Defesa Social do Estado do Ceará

Fortaleza - CE, Brazil

MID-LEVEL DEVELOPER

Jan. 2021 – Present

- Designed and maintained Spring Boot microservices ecosystem in critical production, with multiple parallel services and architectural evolution across generations
- Implemented real-time geospatial data processing with Tile38 (geofencing, polygons, radii) and event streaming via WebSockets and Apache Kafka
- Developed media streaming backend with MediaMTX and ffmpeg, with source lookup by geographic area
- Migrated legacy authentication systems to Keycloak/OAuth2, centralizing SSO without impact on other services
- Delivered performance metrics and goals system with Java 17 backend and Next.js frontend, integrating Oracle, Redis, MinIO, and PDF generation
- Built audit module and action trail for regulatory compliance with granular access control (RBAC)
- Implemented digital signing and document compliance workflows
- Automated internal processes with Python, Shell Script, and GitHub Actions (CI/CD)

MyProject Solutions

Fortaleza - CE, Brazil

PROJECT MANAGER

Oct. 2017 – Oct. 2018

- Managed teams and projects of the university junior company
- Taught programming logic, Python and JavaScript to trainees

MyProject Solutions

Fortaleza - CE, Brazil

PROGRAMMER

Oct. 2016 – Oct. 2017

- Developed websites and WordPress solutions

Technical Stack

Backend Java 17, Spring Boot 3, Spring Security, Kafka, Python

Identity Keycloak, OAuth2, JWT, RBAC, OpenFeign

Frontend Next.js, Thymeleaf, HTMX, AlpineJS, TailwindCSS

Databases PostgreSQL, Oracle, MongoDB, Redis, Tile38, SQLite

Streaming/Media WebSockets, ffmpeg, MediaMTX (RTSP/RTMP)

DevOps Docker, Podman, Portainer, Nginx, GitHub Actions

Tools Linux, Git, Emacs, Shell Script, MinIO

Other REST, GraphQL, Flask, Django, FastAPI, Hugo

Languages Portuguese (native), English (Advanced), Spanish (Learning), LIBRAS (Learning), Esperanto (Basic)

Personal Projects

HomeServer

SYSTEMS AND NETWORK ADMINISTRATOR

- Self-managed home server focused on privacy, automation, and self-hosting of personal services (NAS, media, VPN, wiki)

Automation Bots and Notifications

DEVELOPER

- Built bots with email and Telegram triggers for task automation and notification delivery
- Telegram bots for monitoring, alerting, and interacting with personal services

Libras Dictionary

DEVELOPER

- Digital dictionary for Brazilian Sign Language (Libras)

Blog — eduardoroboto.net

AUTHOR

- Personal technical blog built with Hugo (Go), self-hosted

Education

UNIFOR (Universidade de Fortaleza)

Fortaleza - CE, Brazil

BACHELOR'S DEGREE IN COMPUTER SCIENCE

2016 - 2023

- Participation in the junior company of Computer Science
- Volunteer at ICPC 2016

Certifications

Alura

Online

ONLINE COURSES

2016 - 2022

- Agilist
- TypeScript Formation
- JAVA Developer
- Front-End Developer
- JavaScript Developer

Pluralsight

Online

ONLINE COURSES

2020

- Core Python: Getting Started
- Unit Testing with Python
- Python Best Practices for Code Quality
- Python: The Big Picture
- Managing Python Packages and Virtual Environments
- Play By Play: Ethical Hacking with Troy Hunt

Currently Studying

- Distributed systems: advanced patterns, consistency, and resilience
- Applied security: cryptography, in-depth authentication, threat modeling
- Computer forensics: digital artifact analysis (personal and academic research)
- Computation theory and formal languages

Lectures and Events

PyTalks PUG-CE

ATTENDEE

Fortaleza - CE, Brazil

2025

GDG DevFest Fortaleza

ATTENDEE

Fortaleza - CE, Brazil

2025

ROADSEC

FLIPSIDE

- 3rd place — Cryptography Competition in 2017

Fortaleza - CE, Brazil

2016 – 2019

COFFORENSE

MARCOS MONTEIRO

Fortaleza - CE, Brazil

2018

BrazilJS

BRAZILJS

Fortaleza - CE, Brazil

2017