Arloys Macías Rojas

Full-stack developer · Backend-focused

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ABOUT

I am a full-stack developer based in Stockholm with a strong backend focus. I design and deliver Java and Spring Boot services, integrations, and identity-related capabilities in production—microservices, authentication flows, and reliable APIs that other teams can build on.

I graduated in 2015 from Universidad CUJAE in Havana, where I combined research on search-based software testing and metaheuristic algorithms with teaching Software Quality and Business Intelligence. That foundation still shapes how I think about quality, data, and maintainable systems.

Alongside my professional work, I build products end to end—most notably GaoCuba, a marketplace for Cuban property. I enjoy turning complex domains into software that people can trust, and I keep learning by shipping real features, not slides.

TRAJECTORY

System Developer (Back-end Java Developer) — AB Trav och Galopp (ATG)

Dec 2019 – Present · Stockholm, Sweden

Back-end development in a transaction-rich environment: microservices, customer login and identity-related systems, and platform integrations (including token flows and IAM at a high level).

Java · Microservices · Identity & authentication

Artificial Intelligence Programmer — Centro de Investigaciones Tecnológicas Integradas (CITI)

Sep 2015 – Sep 2017 · Cuba

Research and development on metaheuristic algorithms and search-based software testing.

Java · AI · Test generation

Quality Specialist — CITI

Sep 2014 – Jun 2017 · Havana, Cuba

System software to generate values and functional test cases.

Java · SQL · Quality

Software Developer — CITI–CUJAE

Feb 2014 – Jun 2017 · Cuba

Back-end software for university research projects, including early test-generation tooling.

Java · SQL

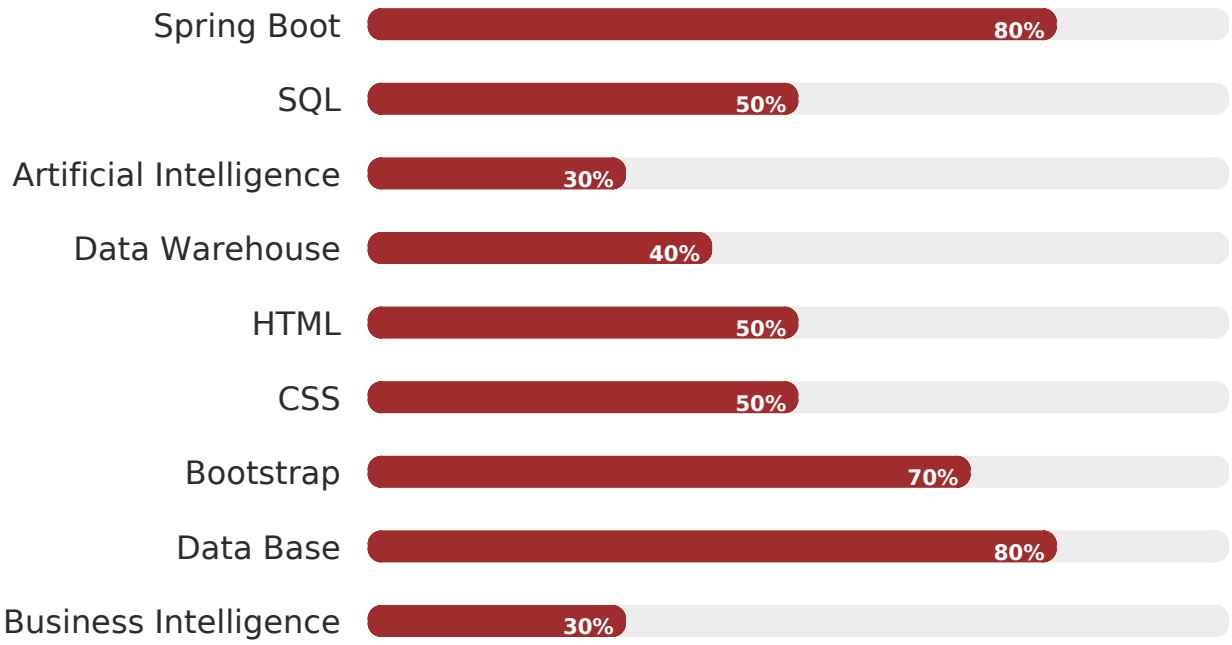
Teacher — Universidad CUJAE

During studies & research · Havana, Cuba

Taught Software Quality and Business Intelligence courses.

Teaching · Software Quality · BI

SKILLS



PROJECTS

GaoCuba

Founder & lead developer · Ongoing product

Marketplace for buying and selling property in Cuba. End-to-end Spring Boot platform with PostgreSQL, Elasticsearch search, moderation, agency tools, and listing workflows.

Java 21 · Spring Boot 3 · PostgreSQL · Elasticsearch · Thymeleaf

https://gaocuba.com · https://github.com/ArloysMacias/gaocuba-web

Fitness4You

Full-stack developer · Code Institute milestone

Supplement e-commerce from my Code Institute milestone. Django full stack: user accounts, catalog and filters, cart, Stripe checkout, and admin for inventory and orders.

Python · Django · PostgreSQL · Stripe

https://fitness4you.onrender.com/ · https://github.com/ArloysMacias/fitness4you

Near

Developer · Personal project

Geolocation web app that maps your position and suggests nearby places of interest. Detail cards with ratings plus a lightweight Java backend for location-aware exploration.

Java · Web

https://near-vkt8.onrender.com/ · https://github.com/ArloysMacias/Near

Sea Turtle Catalogue

Developer · Personal project

Sea turtle data catalogue with structured records and metadata. Emphasis on simple navigation, consistent data entry, and responsive layouts for desktop and mobile users.

Web · Database

https://sea-turtle-catalogue.onrender.com/ · https://github.com/ArloysMacias/Sea-Turtle-Catalogue

PUBLICATIONS

MGA-BT

Back-End Developer · April 2018

XVII Scientific Convention of Engineering and Architecture.

Model for automatic generation of early tests based on searches. 2016 Havana, Cuba.

https://pdfs.semanticscholar.org/1c9c/8321112fca3ac08d69014b75cd3f22dcdd06.pdf

MAG

Back-End Developer · June 2017

June 2017, Medellín-Colombia 7/1507

Generator of Values for Functional Test Cases

JAVA · SQL · J-Unit

http://www.funlam.edu.co/revistas/index.php/lampsakos/article/view/176

MAG

· May 2017

May 2017, Mexico.

Model for Automatic Generation of Search-based Early Tests

http://www.scielo.org.mx/scielo.php?script=sci_arttext&pid=S1405-55462017000300503&lng=es&nrm=iso

GEVAF

Back-End Developer · May 2016

May 2016 – August 2016, Havana, Cuba

Value generator for functional test cases.

JAVA · SQL · J-Unit

http://rci.cujae.edu.cu/index.php/rci/article/view/530/pdf