

Natan Ruden Loterio

Senior Android Engineer (Kotlin) · LLM and Agent Systems · Tech Lead

Address: Lisbon, Portugal

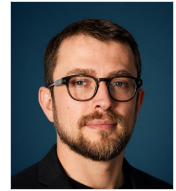
Nationality: Brazilian · application to recover Luxembourgish nationality filed and under review (Luxembourgish ancestry)

Phone: +351 910 098 875

E-mail: natanloterio@gmail.com

LinkedIn: linkedin.com/in/natanloterio

Mobility: available to relocate to Luxembourg



Profile

Software engineer with over 15 years of experience, including 13 years in Android development (Java, Kotlin, Jetpack Compose). Former Tech Lead of HUGO BOSS's global Android apps (15 countries, 500,000+ installs) and Android Engineer at FARFETCH. Since 2022, specialised in systems built on large language models (LLMs) and autonomous agents, as founder of GaiaHub and then CTO of Pitaia. Used to taking over complex codebases, structuring teams and delivering measurable results in international environments.

Professional experience

CTO and Co-founder · Pitaia.me

Feb 2026 to present

Lisbon, Portugal · AI-native commerce platform for content creators

- Designed and built the first AI-native platform for running an online business solo: an autonomous agent sells, answers customers, closes checkout and handles the admin work that used to take five separate tools.
- **Result:** from a blank repository to live stores with paying customers in under six months.
- Delivered a 26-tool MCP layer exposing the whole product to LLMs, making Pitaia one of the first commerce platforms fully operable by an agent.
- Shipped the first Instagram DM agent in the Brazilian creator market that sells end to end, through to payment by Pix or instalments via Mercado Pago, without leaving the DM.

Tech Lead, Global Android Apps · HUGO BOSS

Mar 2025 to Feb 2026

Lisbon, Portugal · fashion and luxury

- Led the Android apps for the BOSS and HUGO brands: 15 countries, 8 languages, over 500,000 installs, 4.5-star rating on Google Play.
- Took the project over from the external agency, brought development in house and built the internal Android team from scratch.
- Defined the workflows, coding conventions, architecture patterns and ways of working, later adopted by management across the whole mobile organisation.
- Modernised the codebase so that e-commerce, click-and-collect, in-store appointments and the HUGO BOSS XP loyalty programme could scale reliably.

LLM Engineer, Founder · GaiaHub.ia

Jan 2022 to Jan 2026

Lisbon, Portugal · low-code platform for LLM applications

- Founded and led a low-code platform for building and deploying LLM applications through a drag-and-drop interface, accessible to developers and non-technical users alike.
- Directed a multi-repository infrastructure: TypeScript core platform, web packages, CLI tools, API references and documentation.
- Technical governance of the organisation, community-driven features and production-ready deployments.

Android Engineer · FARFETCH

Aug 2021 to Apr 2025

Lisbon, Portugal · luxury e-commerce

- Developed and maintained the e-commerce mobile apps, with a focus on modernisation and performance.
- **Result:** CI/CD pipeline build time cut from 15 minutes to 2.5 minutes on average, lowering operational costs.
- Spearheaded the adoption of Jetpack Compose and of inversion of control through dependency injection.
- Modernised the architecture, moving from traditional MVC and MVVM patterns to more maintainable and scalable solutions.

Android Developer · Brelo

May 2020 to Aug 2021

Florianópolis, Brazil

- Developed Android apps (Java, Kotlin, SQLite, GPS) with augmented reality features based on Aruco markers.

Android Developer · Facio

Sep 2019 to May 2020

São Paulo, Brazil · fintech

- Architected and developed Flutter apps: responsive screens, RESTful API integration, state management with Redux and BLoC.

Architecture Analyst · Cecred (central credit union)

Apr 2018 to Jul 2019

Blumenau area, Brazil · financial services

- Managed corporate innovation programmes, facilitated internal training sessions and developed innovation initiatives.
- **Result:** contributed to savings of up to 5 million Brazilian reais.

Senior Android Developer · HBSIS

Feb 2017 to Apr 2018

Blumenau area, Brazil · logistics (Ambev products)

- Android apps for product tracking and delivery (SQLite, GPS, local storage): auto-routing, geofencing, MVC and MVVM patterns.

Earlier experience

Jan to Sep 2016 **Senior Android Developer**, ATAR, Timbó (Brazil) · fintech apps (SQLite, GPS, NFC, camera), MVP and MVC patterns

Nov 2014 to Jan 2016 **Senior Android Developer**, Morphy Digital Group, Blumenau (Brazil) · sales force apps (SQLite, GPS, sockets)

2012 to Nov 2014 **Android Developer**, Microton Tecnologia, Blumenau (Brazil) · sales force apps in Java; library for communication with Bluetooth printers

2008 to 2011 **Delphi Developer**, Microcel Soluções then LMA Soluções (Brazil) · development and maintenance of ERP solutions

Education

Bachelor's degree in Computer Science (Bacharelado em Ciência da Computação)

FURB, Universidade Regional de Blumenau, Brazil

2007 to 2010

Languages

Portuguese	native
English	C1, full professional proficiency
Spanish	B1, intermediate
French	A2, currently learning

Technical skills and certifications

Android and mobile

Kotlin, Java, Jetpack Compose, dependency injection, MVVM / MVP / Clean architectures, Flutter (Redux, BLoC), SQLite, GPS, NFC, Bluetooth, augmented reality

AI and LLM systems

Autonomous agent design, Model Context Protocol (MCP), LLM integration in production, low-code platforms, TypeScript

Engineering and leadership

Software architecture, CI/CD, building and leading teams, defining conventions and ways of working, codebase modernisation

Certifications

Neo4j & LLM Fundamentals · Graph Data Modeling Fundamentals

Open source projects

Brownie · fully on-device AI assistant for Android

github.com/natanloterio/Brownie

Kotlin, Jetpack Compose, LiteRT-LM, Gemma 4 E2B · multi-module architecture (:app, :core:agent, :core:inference, :core:tools, :core:memory)

- Agentic assistant running entirely on the phone: no cloud, no API keys, no data leaving the device.
- Agent loop with multi-turn tool calling, persistent memory, full-text searchable history, automatic context compression and a system of learned skills.
- Deep system integration: contacts, calendar, reminders, accessibility-service automation, sandboxed code execution, voice and vision input, MCP client to extend tools without app updates.
- Adaptive model quantisation (Q4 / Q8) based on device RAM; six versions shipped, from the agent core to connectivity.

agent-team · Claude Code skill for a multi-agent workflow

github.com/natanloterio/agent-team

JavaScript (Node), Shell · Claude Code skill and plugin, MIT licence

- Introduces a new multi-agent development workflow designed to increase productivity tenfold: the developer sets the goals, a team of Claude Code agents delivers them in parallel.
- A team-leader agent breaks goals into tasks, worker agents implement them in isolated git worktrees and open PRs, a reviewer agent verifies the acceptance criteria and merges automatically.
- Markdown task queue on the filesystem, event-driven dispatch (inotify / FSEvents), tmux sessions, optional Trello sync and built-in diagnostics.

Personal skills

Leadership

HUGO BOSS Android team built from scratch; ways of working adopted across the whole mobile organisation

Ownership

Pitaia taken from a blank repository to paying customers in under six months, from engineering to product

Problem-solving

build time divided by six at FARFETCH; agency-inherited codebase taken over and modernised

Clear communication

coding conventions, technical documentation and internal training that make teams autonomous

Curiosity

moved from native Android to LLM systems as early as 2022; continuous learning and certifications

Collaboration

13 years in international, multi-brand teams, working with agencies, product, design and management
