Hugo Gonçalves
Software Engineer

CONTACT

- Lisbon, Portugal
- +351 91 00 41 754
- www.hugogoncalves.pt
- email@hugogoncalves.pt
- github.com/goncah
- linkedin.com/in/goncalh

EDUCATION

Bachelor of Computer Science

- **Universidade Aberta**
  2021-2024

Master of Computer Science and Web Technology

- **Universidade Aberta**
  2024-present

SKILLS

- Systems Design
- Apache Kafka, Kafka Streams
- Java 8, 17, 21
- Springboot
- JavaScript, TypeScript
- Node.js
- NestJS
- React
- AWS

LANGUAGES

Portuguese ● ● ● ● ●

English ● ● ● ● ●

PROFILE

Experienced Software Engineer specializing in designing and implementing robust, scalable systems and applications. Skilled in real-time fraud detection, payment processing systems, and advanced integrations utilizing Kafka, Kafka Streams, Java, Springboot, Node.js and cloud platforms including AWS. Passionate about systems design and leveraging cutting-edge technologies to create efficient, high-performing software solutions.

RECENT EXPERIENCE

Software Engineer

- **Vodafone Group | Lisbon (remote)**
  May 2024 - Present

Designed and implemented a real-time payments fraud detection system with Kafka, Kafka-Streams. Developed payments and charging integration microservices with Springboot and Node.js between Vodafone European markets and third-party service providers (Google, Apple, Netflix, Spotify, etc). Used AWS Cloud resources to support the production environment such as MSK, MSK-Connect, Aurora, Lambda and EKS.

Software Engineer

- **Vodafone Group | Lisbon (remote)**
  April 2023 - April 2024

Internal systems integration API development with Java 17, Jakarta EE and Wildfly.

Software Engineer

- **Vodafone Group | Lisbon (remote)**
  July 2018 - March 2023

Mobile Network Process Automation with Java 8, Groovy.

RESEARCH

- Gonçalves, H., & Shirley, P. (2024). Concurrent Binary Search Tree. Revista de Ciências Da Computação, Vol. 19, 71–86. https://doi.org/10.34627/rcc.v19i0.314

PROJECTS

- Inven!RA Architecture for Sustainable Deployment of Immersive Learning Environments. https://github.com/invenira.