

# António Almeida

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Senior Software Engineer at Klarna focusing on great building blocks for banking products.

## EXPERIENCE

### Klarna

#### • Senior Software Engineer

Brussels, Belgium  
May 2023 - Present

- Tech Lead of team managing Klarna's banking payments to 350k merchants and collections from 100M consumers.
- Designed and led implementation of Klarna's banking payment systems in a service-oriented architecture, enabling the introduction of 6 new payment schemes across European and American markets. *Spring Boot, Java, PostgreSQL, Kafka*
- Expanded Klarna's support for SEPA payment schemes, reducing dependency on external banks and enabling direct payments through Klarna's own banking license. *TypeScript, Node.js, PostgreSQL*

### Klarna

#### • Software Engineer

Berlin, Germany  
Oct 2020 - May 2023

- Led development of extending Klarna's interest management service from 1 market to multiple markets and currencies. Enabled the expansion of the Klarna Savings Account to Germany, and later other markets. *Java, Spring Boot, PostgreSQL*
- Core contributor to an internal framework that enables development of AWS Lambda based projects in adherence to high engineering standards. Currently serving 20+ production services. *AWS CDK, TypeScript, AWS Lambda*
- Designed and led development of Klarna's "fee charging" API for banking products, with configurable logic. Pioneered AWS Lambda usage within the banking domain. *TypeScript, AWS Lambda, DynamoDB, API Gateway*
- Contributor to Klarna's web portal used by analysts and customer service to perform banking operations. *Node.js, React*

### LTP Labs

#### • Data Scientist

Porto, Portugal  
Feb 2020 - Jul 2020

- Applied ML models for sales forecasting, and developed a methodology for price elasticity prediction for Portugal's biggest food retailer. Responsible for various stages of the lifecycle, from data cleaning to deployments. *Python, H2O.ai, SQL*
- Introduced software best practices including version control workflows, code review and deployment automation, significantly improving the team's development quality.
- Wrote my MSc thesis "Improving markdown decisions in non-food retail - a retailer's case study" based on my work.

### INESC TEC

#### • Software Engineer (Research, Part-Time)

Porto, Portugal  
Jan 2019 - Aug 2019

- Joined Project MELOA's team, where I designed and developed a backend service to authenticate, deliver, and load balance requests sent from IoT devices. *RabbitMQ, Docker, Node.js*

### University of Porto, Faculty of Engineering

#### • Teaching Assistant

Porto, Portugal  
Sep 2017 - Dec 2018

- Regularly invited to teach in practical lessons, responsible for in-class support and grading assignments.
- Courses: Low-Level device drivers (e.g., mouse) in MinixOS, and Computer Graphics Fundamentals (via WebGL)

## ADDITIONAL ACTIVITIES

### HackYourFuture Belgium

#### • Teacher (Volunteer)

Brussels, Belgium  
Jan 2024 - Present

- HackYourFuture helps disadvantaged groups entering the Belgian job market via Full Stack development courses.
- Lead for the "Databases" module which focuses on relational database design and SQL. I prepare and teach the content.

### Handball

#### • Professional Player

Portugal and Belgium  
2015 - Present

- Played professional handball in Portugal's top division for 5 seasons after 11 years of playing the sport as a hobby.
- Represented Portugal in the 2018 World University Handball Championship in Rijeka, Croatia, taking 4th place.
- Currently playing in the 1st Belgium league after 1 season in the BENE League, the Belgium and Netherlands' top league.

## EDUCATION

### University of Porto, Faculty of Engineering

Porto, Portugal

#### • BSc. + MSc. in Informatics and Computing Engineering. GPA: 18/20 (top 3%)

2015 - 2020

- Led the engineering team of the 2018 edition of FEUP's student-run tech conference "Semana de Informática".
- Founded the ACM FEUP Student Chapter in representation of ACM, the world's largest scientific computing society.

### Budapest University of Technology and Economics

Budapest, Hungary

#### • Semester abroad as part of the Erasmus program.

Sep 2019 - Jan 2020

## TECHNICAL SKILLS

- **Programming:** Java, JavaScript, TypeScript, Python, SQL
- **DevOps:** Terraform, Jenkins, Docker, AWS CDK/CloudFormation, GitLab CI
- **Web:** Node.js, Spring / Spring Boot, React, Vue.js, Express, HTML/CSS, GraphQL
- **Data Science/Engineering:** Pandas, scikit-learn, H2O.ai, Spark (basic)
- **Databases:** PostgreSQL, DynamoDB, MongoDB (basic)
- **Languages:** Portuguese (native), English (C2), Spanish (B2), French (B1)