

# João Fraga

DEVOPS ENGINEER

Porto, Portugal

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## Skills

<b>Programming Languages</b>	C, Rust, Go, OCaml, Java, Javascript, Python
<b>Web Technologies</b>	HTML, CSS, WASM, React, Next, Express, Node
<b>Databases</b>	SQL, NoSQL, Liquibase
<b>Systems</b>	Linux, Shell, Ansible, Docker, Kubernetes, Terraform, AWS

## Experience

### Feedzai

PROFESSIONAL SOFTWARE ENGINEER

- Promotion due to good performance
- On call support

ASSOCIATE SOFTWARE ENGINEER

- Development and operation of client specific Feedzai solutions

Java | Maven | Liquibase | Ansible | Docker | Kubernetes | AWS

Current

Since Mar. 2024

Oct. 2022 - Feb. 2024

### Fundação para a Ciência e Tecnologia

UNDERGRADUATE RESEARCHER

- Research existing consensus protocols in distributed systems, specifically blockchain consensus protocols
- Development of a DSL for generic consensus algorithms and integration with a blockchain simulation tool

Ocaml | Dune | Ocamllex | Menhir

1 year

Oct. 2020 - Sep. 2021

### a50passos

FULL STACK ENGINEER

- Development and design of the company's website: [www.a50passos.com](http://www.a50passos.com)
- Creation of the company's email: [@a50passos.com](mailto:@a50passos.com)

Javascript | npm | Express | Node | Linux

3 months

Jul. 2019 - Sep. 2019

## Education

### MSc Courses in Computer Science

FACULDADE DE CIÊNCIAS DA UNIVERSIDADE DO PORTO

- **Courses:** Cryptography, Algorithms I and II, Data Mining I and II, Artificial Intelligence, Computational Complexity, Functional Programming, Formal Verification of Programs, Programming Languages Foundations

Porto, Portugal

Oct. 2021 - Jun. 2022

### BSc in Computer Science and Engineering

FACULDADE DE ENGENHARIA DA UNIVERSIDADE DA BEIRA INTERIOR

Covilhã, Portugal

Sep. 2017 - Jun. 2021

## Projects

### PROGRAMMING LANGUAGES

2022 **Lambda**, Interactive Lambda Calculus ([github.com/fraguinha/lambda](https://github.com/fraguinha/lambda))

Online

### COMPETITIVE PROGRAMMING

2020 **SWERC**, Institut Polytechnique de Paris

2019 **MIUP**, Instituto Superior Técnico

2018 **MIUP**, Universidade Beira Interior

Paris, France

Lisboa, Portugal

Covilhã, Portugal

### ARTIFICIAL INTELLIGENCE

2018 **Digits Recognition**, Machine Learning in C ([github.com/fraguinha/MNIST-NeuralNetwork](https://github.com/fraguinha/MNIST-NeuralNetwork))

Online