# NUNO ALEXANDRE GONCALVES

London, UK
Mobile: +44 7459 733294
linkedin.com/in/n-alex-goncalves/
github.com/n-alex-goncalves

n.alex.goncalves01@gmail.com

## WORK EXPERIENCE

**INFOSYS**                                                                                          **Aug 2022 – Present**
*Software Engineer (Strategic Technology Group)*                                    *London, UK*
- Developed key classes and APIs via **Python**, **SQLAlchemy, GraphQL, AWS** for BP's global refinery bookkeeping, calculating precise co-processing fuel cost in **under 2.1 seconds**.
- Awarded the **Rising Star award** for exceptional agile development contributions and leadership; partially led and mentored cross-functional teams and junior members.
- Built CRUD applications using **React, SpringBoot**, **Hibernate**, **JavaScript** emphasizing SOLID/OOP principles and design patterns learned from Infosys courses.

**BARCLAYS**                                                                                       **Jan 2020 – May 2023**
*LifeSkills Youth Advisory Councillor (Volunteer)*                                   *London, UK*
- Worked as a panellist in the LifeSkills Unpacked seminar, leveraging public speaking skills to enhance and discuss career-focused education to **over 300 educators nationally.**
- Delivered presentations and discussions to classes in underprivileged schools, partnering with the **Talent Foundry charity** to inspire students in preparation for their GCSE exams.

**ECHOBOX**                                                                                        **Jul 2021 – Sep 2021**
*Operations Intern*                                                                                *London, UK*
- Analysed **40%** of Echobox's customer base in Q3, reviewing **200 – 360 customers weekly** and adding **2000+ company accounts** to Salesforce, improving the company's customer insights (Salesforce)
- Built a Salesforce backend solution to reduce no-shows in BDR meetings, leveraging **Java, Apex, SalesForce Flow** to automate reminder emails through Salesforce (Salesforce Flow, Apex, Java)

**J.P. MORGAN CHASE & CO**                                                       **Mar 2020 – Apr 2020**
*Spring Into Technology Intern*                                                             *London, UK*
- Completed the **J.P. Morgan Spring into Technology** program, gaining foundational financial technology knowledge and valuable insights in the software development industry.
- Excelled in **J.P. Morgan workshops** on distributed databases, cybersecurity, and machine learning, gaining a deep understanding of their applications in the industry.

## EDUCATION

**UNIVERSITY OF BATH**                                                                         **Jul 2022**
*BSc (Hons) Computer Science Degree*                                                    *Bath, UK*
- Degree Classification: **First Class Honours**
- Coursework: C-- Compiler, Haskell Lambda Calculus Interpreter, Java Dungeons of Doom Replica

## PERSONAL PROJECTS

**TURING MACHINE LAMBDA CALCULUS CONVERTER | JavaScript**              Dec 2021 – May 2022
- Built an iterative open-source Turing machine and untyped lambda calculus interpreter that can convert a Turing machine into a lambda calculus expression (and vice versa) **within a polynomial time overhead**.

**TEMPLATE-BASED ICON MATCHING | Python, OpenCV**              Feb 2022 – May 2022
- Built a Python program that detects a specific icon in a larger image containing multiple icons, creating a bounding box around the icon using SIFT with **98.5%** accuracy and with a runtime of **10.29s.**

## TECHNICAL SKILLS & INTERESTS

- **LANGUAGES: Python, C++, SQL**, TypeScript, JavaScript
- **TECHNOLOGIES:** AWS Cloud, Pandas, NumPy, SQLAlchemy, React, Next.js, Node.js
- **INTERESTS:** Volunteering, Board Games (Chess, Risk), Emulation