ANA SILVA

SOFTWARE ENGINEER

PERSONAL PROFILE

I was a biochemist for 15 years, when I decided to follow my passion for coding and study Software Engineering Immersive. I always enjoy solving puzzles and used to be challenged every day as a scientist. I look forward to applying my problem solving skills, analytical and logical thinking in my future profession in tech.

SKILLS

- JavaScript, Ruby, REACT, JSX, Ruby on Rails, HTML, CSS, DOM with Vanilla JS, jQuery, Underscore, Node.js, MongoDB
- SQLite, Postgresql, NGROK
- Use of external APIs, using XML HTTP requests, Ajax and Axios
- GitHub and Heroku
Some experience:
- Test Driven Development, Bootstrap, Meteor, Perl

ACHIEVEMENTS

- PhD scholarship awarded by Science and Technology Foundation, Portugal, 2004-2008
- Merit Award for Top 10 Year 1 Undergraduate, Science Faculty of University of Lisbon, 1999/2000

CONTACT DETAILS

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Github: github.com/anapgsilva

RELATED PROJECTS

Memory Card Game: anapgsilva.github.io/memory_game/memory_game/
This is a simple card game where the player needs to turn two cards that match. Built using Javascript, HTML and CSS.

Tic-Tac-Toe Game: anapgsilva.github.io/tictactoe-nxn/
This is a classical game of noughts and crosses, with the option of either a 3X3 or a 9X9 board game. Built using Javascript, HTML and CSS.

Movie Library: github.com/anapgsilva/movie_library
Users can create their own libraries and populate them with movies, which information is pulled directly from the Internet Movie DataBase. Based on their libraries, users can request a movie suggestion. Project built solely in Ruby on Rails.

Restaurant website: github.com/anapgsilva/restaurant_client
Users can create their own account and make orders for pick-up or delivery. Website built using REACT and RAILS.

Colouring Application: colourfill.firebaseapp.com/
User chooses black and white pictures from an API or takes a photo from camera. Website built using React and was hosted on Firebase (real-time database and function).

ADDITIONAL EXPERIENCE

POSTDOCTORAL RESEARCH FELLOW

University of Sydney, Australia, 2012-2019
My research was focused on the mechanism of the activity and selectivity of the Nucleosome Remodeling and Deacetylase complex. During this time, I wrote a few scripts in perl to help with data analysis. As part of my role, I supervised and trained undergraduate and PhD students.

University of Manchester, UK, 2009-2011
I was involved in a structural-based drug design project to develop new drugs against *Mycobacterium Tuberculosis* protein phosphatases. As part of my role, I supervised and trained undergraduate and PhD students.

University of York, UK, 2009
I determined the 3D-structure of a few kinase-drug complexes from the Malaria-causing *Plasmodium Falciparum*.

EDUCATION

GENERAL ASSEMBLY SYDNEY, AUSTRALIA
Software Engineering Immersive, Oct-Dec 2019

UNIVERSITY OF YORK, UK
PhD in Chemistry, 2004-2009

UNIVERSITY OF LISBON, PORTUGAL
Bachelor in Chemistry, 1999-2003