



Antonio Adrian

Programmer

Birthday/Birthplace

10/Oct/1991, SLP, Mexico

Residence

Augsburg, Germany

Email

antonioadriandev@gmail.com

Linkedin

/antonioadrian

Github

/aadm

Languages

Spanish (Native)

English (Advanced)

German (Intermediate)

French (Elementary)

Greek (Elementary)

Education

BCs Computing & IT

The Open University (2019-2022)

ATPL(H) Credits

Heli Aviation (2014-2014)

EASA CPL(H) - Commercial Pilot

Heli Aviation (2012-2014)

Personal Profile

I'm a productive programmer with several years of experience in international environments. I'm also a trained professional helicopter pilot and used to work as such. Whenever I was not flying, I worked in the maintenance planning department, where I used the programming knowledge I had at the time to my advantage. In 2018, I realised I enjoyed programming more than what I did flying, and started to study the degree of BS in Computing & IT at the Open University. During my studies, I've been working in parallel, mainly developing booking systems as a web application and some microcontroller programming.

Work Experience

At MaibornWolff (Augsburg, Jun 2022-Present)

Software Engineer 11mos

Software Engineer

Junior Software Engineer 12mos

Junior Software Engineer

At Peak Helicopter Service (Santorini, Mar 2019-Mar 2022)

Operations | IT (Co-Founder)

- Development of a booking system using Django (Python).
- Setup and operation of a server in a virtual machine (Linux, Nginx, Postgress, Python).

I managed to develop a groundbreaking booking system in this industry, helicopters operations are very complex, and we benefited greatly from having an automated system that gave us the edge over rival companies. Sadly, due to a health issue, we will be ending our operations soon.

At Breakout Escape Room (Augsburg, Feb 2017-Present)

Managing Director (Co-Founder)

- Microcontroller programming mainly using Arduino (C/C++).
- Online booking system/shop development (Django, Python)
- Part design and 3d printing (Freecad, Cura).

This job had a very interesting technical challenges in order to materialize our game concepts. I spent countless hours programming Arduinos (C/C++) and Raspberry Pis (Python) in order to build the suite of sensors and gadgets that form part of the riddles and that monitor the progress of the team that is playing. This was also the first time where the code that I was writing had interaction with the physical world which introduced a lot of new variables and problems that have to be taken into account while programming.

At Heli Aviation / Babcock MCS Germany (Augsburg, Sep 2016-Nov 2018)

Pilot / CAMO Deputy Manager

- Data analysis and report automation (SQL, Visual Basic, Python).
- Aircraft maintenance planning and tracking.

My biggest challenge in this period was when Heli Aviation bought by Babcock and it was decided to change the maintenance tracking system. However, they dropped the old system before contracting the new one which left us in a position where we were unable to operate, we grounded the fleet for two weeks while I developed a system that would let us keep going, it was far from perfect but it was praised by the LBA and let the company run for another two years until Babcock decided to shut the branch down after a row of bad corporate decisions that led into bankruptcy.

At Heli Aviation (Augsburg, Sep 2014-Sep 2016)

Pilot / CAMO staff 5mos

- Co-pilot for positioning flights (Ferry flights).
- Data processing and entry for the Airworthiness Department, e.g. update of the status of aircraft components after maintenance.
- Monitoring of aircraft maintenance Status.

After a year of non-flying work, I'm let into the Air Operator's Certificate and start working as a pilot, however being a new pilot I don't get to fly all the time, so in parallel I'm also working in the Continuing Airworthiness department, there we make sure that the helicopters are flying safe and legally, by planning the required maintenance according to the manufacturer and the European regulations.

Ramp Agent 11mos

- Refuelling and ground handling of the aircraft.

This is a common initiation job for new pilot, the main purpose of this job is to ready the helicopters according to the flight schedule.

Software Skills

The bars indicate my self-assessed level of proficiency based on knowledge, how familiar I feel when using the software and how effectively I have used it to tackle real world challenges.

Basics

Linux



Windows



Git



SQL



Programming

Python



C++



PHP



Javascript



Java



Web Development

Django



HTML



CSS



Apache



Nginx



CAD / CAM

Freecad



Cura



Kicad



GRBL Control



FlatCAM

