

# DevGrid Python Tech Test

## Developing Decisions

- FastAPI: FastAPI as the name suggests is a framework for building APIs quickly. I choose this one because they are simple and have great documentation that is enough to solve almost every question I can have using it. Furthermore, they automatically generate interactive documentation for your API.
- Postgres: In order to have complete data security and integrity, and because I did not find a good reason to justify using a non-relational database, I chose to use a relational database. Among the relational databases, which I believe are the most reliable, and also because it is widely used in the market and has JSON storage, I chose Postgres.
- As a database connection library, I am using the psycopg2 lib, which is an SQL driver that allows me to execute queries in an SQL database. I chose not to use an ORM because I don't have experience with Python ORMs yet and because of the time I thought it would be better to avoid investing time in configuring one.
- To make the automated tests I use the Python package called Pytest, that are a software testing framework based on the Python programming language. It can be used to write various types of software tests, including unit tests, integration tests, end-to-end tests, and functional tests.