

# DOC Report Generator Project

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(Built with Python, API & DOCX  
Automation)

# Project Overview

- Fetches data from a public API
- Converts JSON data into formatted DOCX report
- Uses python-docx and requests
- Fully automated report generation

# API Usage Flow

- 1. APIClient sends GET request to API
- 2. JSON data received
- 3. `transform_api_json_to_items` converts  
JSON → objects
- 4. ReportGenerator creates DOCX using  
`python-docx`

# Code Structure Overview

- api\_client.py → Handles API calls
- report\_generator.py → Builds DOCX report
- utils.py → Transforms JSON into structured items
- main.py → Connects everything & runs the process

# GitHub Repository

The screenshot shows a GitHub user profile for 'Fk6201'. The top navigation bar includes links for Overview, Repositories (1), Projects, Packages, and Stars. A search bar at the top right allows users to 'Type [ ] to search' with dropdowns for Type and Sort, and a 'New' button. Below the search bar is a repository card for 'doc\_generator' (Public), which was updated 7 minutes ago. The repository has a star icon and a dropdown menu. To the left of the repository card is a circular profile picture of the user, MD FAIZAL KHAN, with the GitHub icon. Below the profile picture, the user's name 'MD FAIZAL KHAN' and GitHub handle 'Fk6201 · he/him' are displayed, along with an 'Edit profile' button and an email address 'fk9605143@gmail.com'. At the bottom of the page, there is a footer with links to GitHub's Terms, Privacy, Security, Status, Community, Docs, Contact, Manage cookies, and a link to 'Do not share my personal information'.