Open-Source Software Practice

Week 10 Assignment: Personal Homepage

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GitHub ID: cypsyco

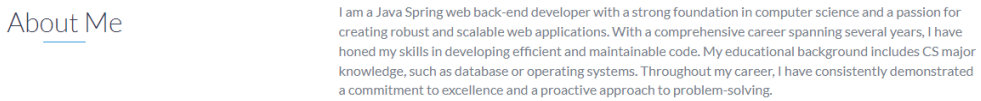
1. Brief introduction of personal home page interface.

1) Main Page

The main page has my name and a top menu that allows you to go directly to each item. The Download Resume button is a button that allows you to download my resume right away.

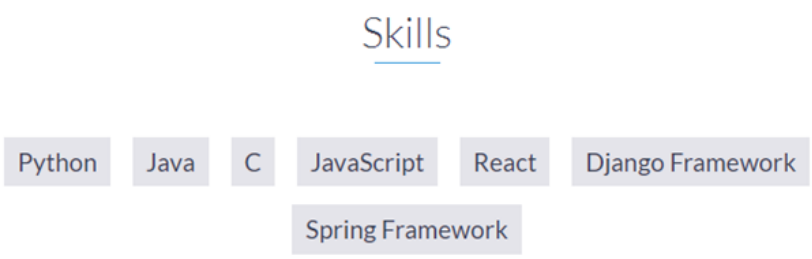
+ Currently, this report file is downloaded when Resume button is clicked.

2) Introduction



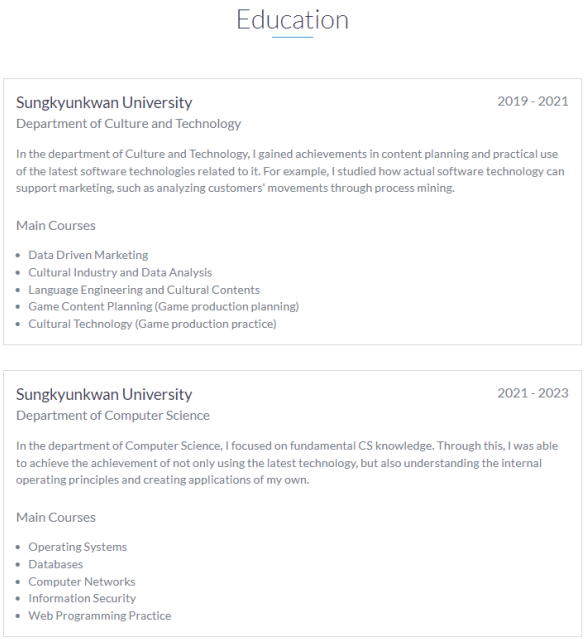
Introduction information is written in "About me" section. This section provides a brief introduction of myself as a software engineer. It contains my career summary and educational background.

3) Skills



Skills information is written in "Skills" section. This section lists my skills, such as languages and frameworks. Listed skills are Python, Java, C, JavaScript, React, Django Framework, Spring Framework.

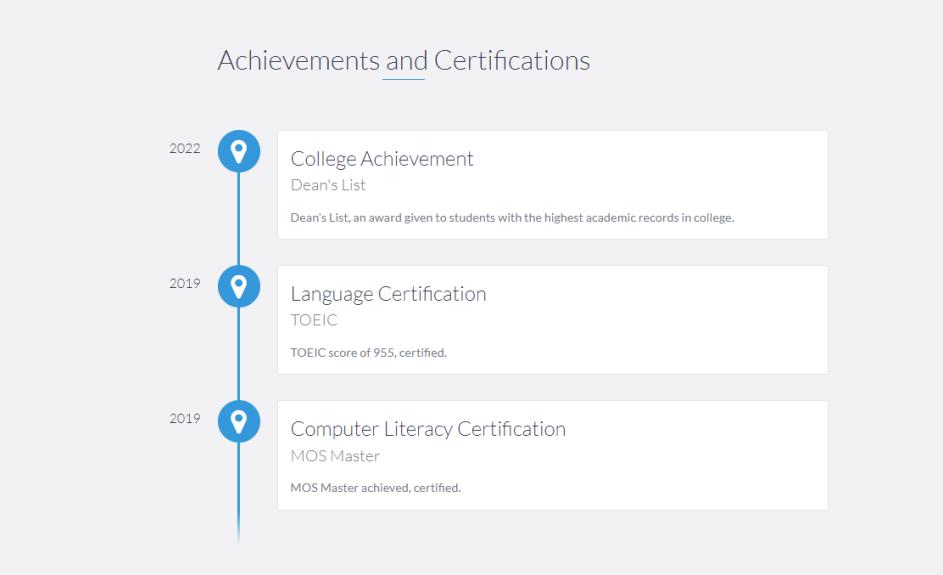
4) Education



Education information is written in "Education" section. This section provides details about my degrees, schools, major and academic accomplishments. It contains my degree in Department of Culture and Technology and Department of Computer Science. For each major section, it includes the year in which I studied each major,

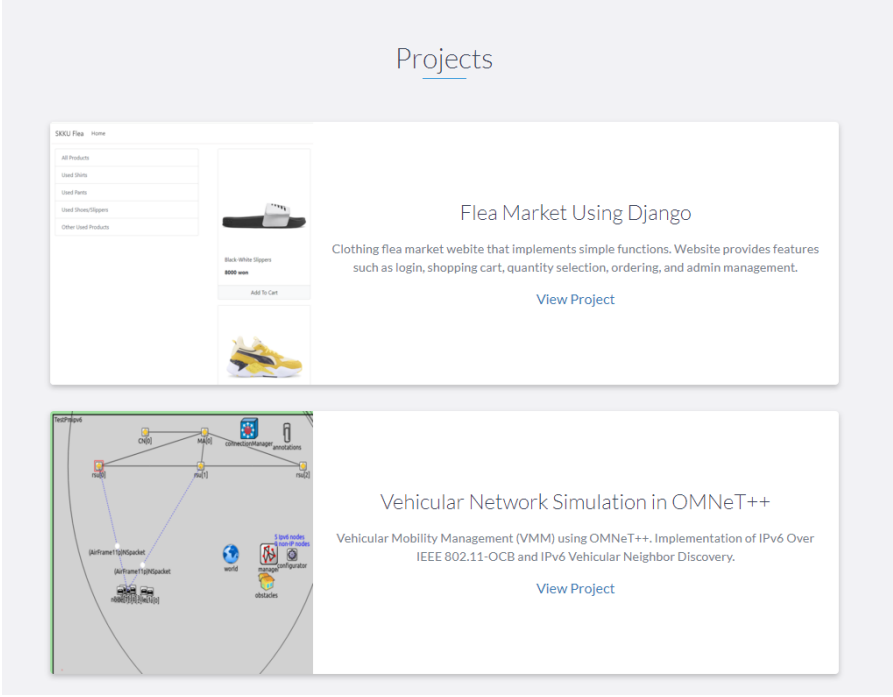
information about the major, and main courses of the major that I have taken.

5) Achievements and Certifications



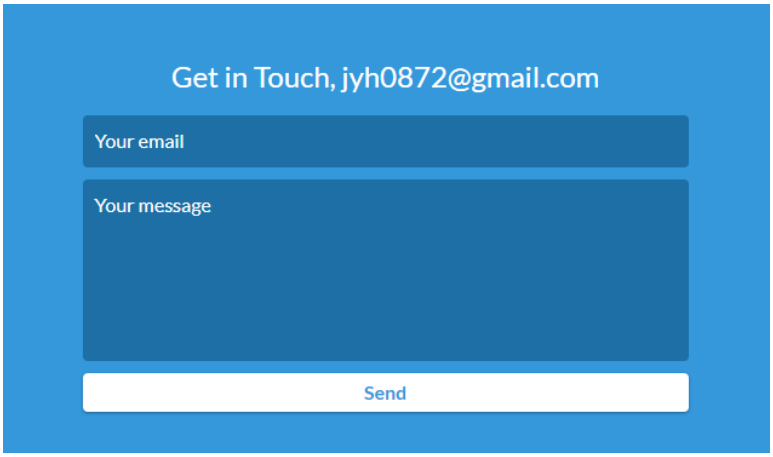
Achievements and Certifications information is written in "Achievements and Certifications" section. This section provides my College Achievement, Language Certification, Computer Literacy Certification.

6) Projects (Additional item)



Software project information is written in “Projects” section. This section provides brief information and GitHub link for each of my software project.

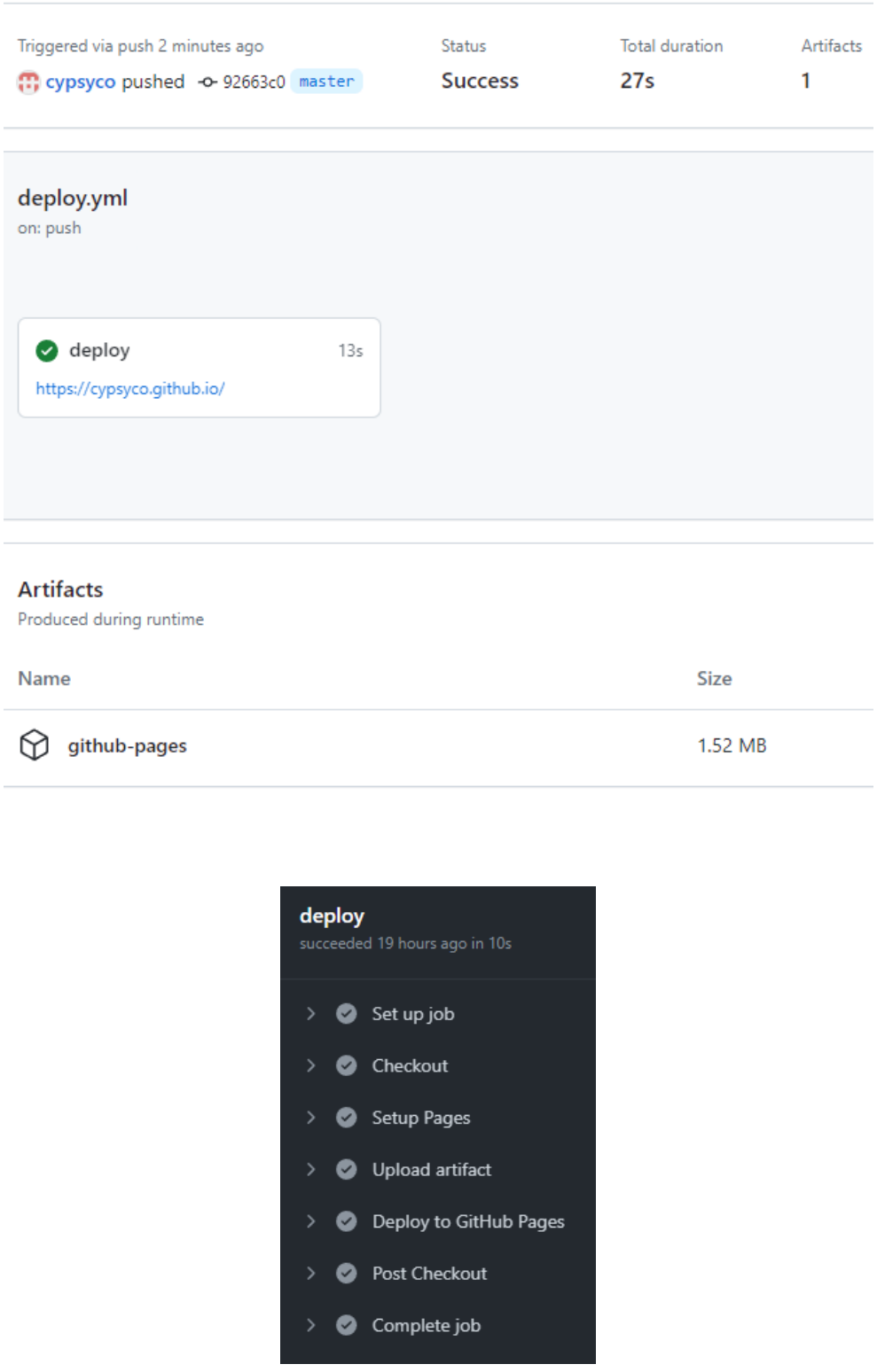
7) Contact



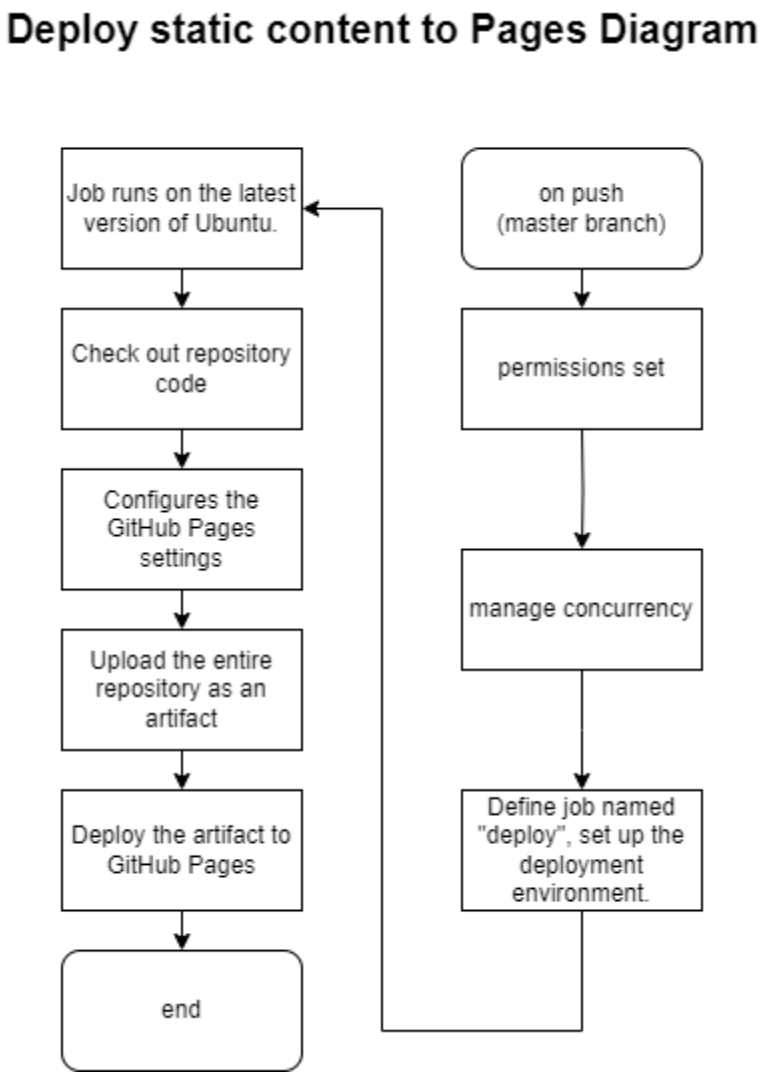
Contact information is written in “Get in Touch, jyh0872@gmail.com”. This section provides my email address, and by writing a message in the message field, people can contact me right away using form spree.

2. **Detail summary of GitHub actions in personal homepage repository.**

   A) **Workflow diagram of your GitHub actions**



Through GitHub actions, my personal homepage is deployed right away on when there is a push to the default branch.



B) Line by line annotation of YAML or YML file under '.github/workflow' directory

```
# Simple workflow for deploying static content to GitHub Pages
```

```
name: Deploy static content to Pages
```

➔ Defines the name of the workflow.

```
on:
  # Runs on pushes targeting the default branch
  push:
    branches: ["master"]
```

➔ This workflow runs when pushed to the default branch, "master".

```
  # Allows you to run this workflow manually from the Actions tab
  workflow_dispatch:
```

➔ You can run this workflow from the Actions tab manually using the "workflow_dispatch" event.

```
# Sets permissions of the GITHUB_TOKEN to allow deployment to GitHub Pages
permissions:
  contents: read
  pages: write
  id-token: write
```

➔ Set permissions on GITHUB_TOKEN to allow deployment to GitHub Pages. Permissions to read content, write page, and write ID token are set.

```
# Allow only one concurrent deployment, skipping runs queued between the run in-progress and latest queued.
```

```
# However, do NOT cancel in-progress runs as we want to allow these production deployments to complete.
concurrency:
  group: "pages"
  cancel-in-progress: false
```

➔ Set to allow only one deployment at a time within the "pages" group.

➔ Set "cancel-in-progress" to false to allow ongoing deployments to complete without canceling them.

```
jobs:
  # Single deploy job since we're just deploying
  deploy:
    environment:
      name: github-pages
      url: https://cypsyco.github.io/
    runs-on: ubuntu-latest
```

➔ Define a task called "deploy". This task serves as a deployment to GitHub Pages.

➔ Set up an environment called "github-pages" and specify the URL of the deployed page.

➔ Set it to run under "ubuntu-latest".

```
    steps:
      - name: Checkout
        uses: actions/checkout@v3
```

➔ The "Checkout" step checks out the repository.

```
- name: Setup Pages
  uses: actions/configure-pages@v3
```

➔ Set up Pages using the "configure-pages" action.

```
- name: Upload artifact
  uses: actions/upload-pages-artifact@v2
  with:
    # Upload entire repository
    path: '.'
```

➔ Upload artifacts using the "upload-pages-artifact" action, which uploads the entire repository.

```
- name: Deploy to GitHub Pages
  id: deployment
      uses: actions/deploy-pages@v2
```

➔ Deploy to GitHub Pages using the "deploy-pages" action. This action performs a deployment using the previously uploaded artifact.