## Textual Description for Designer (1 para)

A person who wants to start a career can visit this page to see what skills are in demand and, in general, what is the job market requesting. It shows a single input where users select, from an auto-complete list, the job they are interested in. After selecting, they are presented with 6 sections with information. This information is the result of a lot of data analysis, so it should make use of colors & plots to summarize.

## Requirements (bullets)

1. [The title of the page is an occupation]
   1. {Example occupation}
2. “Skills that the market requires for this occupation”
   1. {List of skills with score of how mandatory they are, and associated sub-skills}
      1. [Each skill has a number between 0 and 1 denoting how mandatory it is]
      2. [It also has a set of associated sub-skills, that are often mentioned]
3. “List of educational requirements mentioned for this occupation”. [These add up to 100% so a pie chart or something similar might be suitable]
   1. {List of educational requirements with percentages}
4. “Other certificates that could be of benefit”.
   1. {List of additional certificates with percentages}
5. “Amount of experience usually required: number of years”
   1. {Histogram of number of years required}
6. “Tasks usually associated with this occupation”
   1. {List of tasks associated with occupation}
7. [User sees what are the new skills being associated with this occupation]

{List of rapid increasing skills}

1. User sees a snippet of an advertisement for this occupation

## Example Data

{Example occupation}

“Web developer”

{List of skills with score of how mandatory they are, and associated sub-skills}

|  |  |  |  |
| --- | --- | --- | --- |
| Skill | % of Job Ads that mention it | Appear as Mandatory | Subskills |
| Java Programming | 30% | 50% | Spring Boot,  Hybernate |
| Python Programming | 40% | 70% | Flask,  FastAPI |
| Javascript | 60% | 80% | React,  Node |
| Docker | 50% | 15% |  |
| Mentoring | 30% | 5% | Paired Programming |

{List of educational requirements with percentages}

Technical degree (30%), Master’s Degree (50%), No Degree Mentioned (20%)

{List of additional certificates with percentages}

Linux Engineer Certification (20%), Java Certified Engineer (30%), Cloud Computing Certification (25%)

{Histogram of number of years required}

|  |  |
| --- | --- |
| “Years required” | “Percentage” |
| 0-2 | 10 % |
| 3-5 | 52% |
| 5-7 | 23% |
| 7+ | 15% |

{List of tasks associated with occupation}

|  |  |
| --- | --- |
| Task | Percentage |
| Developing Unit Tests | 30% |
| Writing Documentation | 10% |
| Leading a team | 15% |
| Writing code | 50% |
| Mentoring | 30% |
| Code Review | 20% |

{List of rapid increasing skills}

|  |  |
| --- | --- |
| Skill | Increasing |
| WEBASM | Slowly |
| WebGL | Fast |
| Bootstrap5 | Slowly |
| Gitops | Fast |