

Prompt for generating resume.

Prompt - Write resume for [Title] at [company], [X] years of experience, 3-5 bullet points per role and include 10 key job description keywords. Past titles: [Company A-Y years, Company B-Z years]. <Copy/paste job description>.

Write a resume for [Title] at [Company], with [X] years of experience. Include 3-5 bullet points per role and incorporate 10 key job description keywords. Past titles include: [Company A - Y years, Company B - Z years].

Job Description:  
<Copy/paste job description>

Write a resume for Senior Software Engineer at Tech Solutions, with 8 years of experience. Include 3-5 bullet points per role and incorporate 10 key job description keywords. Past titles include: Software Engineer at Innovatech - 5 years, Junior Developer at DevStart - 3 years.

Job Description:

- Develop and maintain web applications using modern frameworks.
- Collaborate with cross-functional teams to define and design new features.
- Ensure the performance, quality, and responsiveness of applications.
- Identify and correct bottlenecks and fix bugs.
- Help maintain code quality, organization, and automation.
- Continuously discover, evaluate, and implement new technologies to maximize development efficiency.
- Participate in code reviews and provide constructive feedback to peers.
- Mentor junior developers and contribute to their growth.
- Work in an agile development environment, attending daily stand-ups and sprint planning sessions.
- Contribute to technical documentation and maintain best practices.

Solution:

## Generated Resume Example

Here's an example of what the generated resume might look like using the above prompt:

### John Doe

[Contact Information]

### Objective

Dedicated and experienced Senior Software Engineer with 8 years of expertise in software development and team collaboration. Seeking to contribute to Tech Solutions by leveraging strong problem-solving skills and extensive knowledge of modern web frameworks.

### Professional Experience

## **Senior Software Engineer**

*Tech Solutions*

*August 2020 - Present*

- Develop and maintain web applications using React and Node.js.
- Collaborate with cross-functional teams to define and design new features.
- Ensure the performance, quality, and responsiveness of applications.
- Identify and correct bottlenecks and fix bugs.
- Help maintain code quality, organization, and automation.

## **Software Engineer**

*Innovatech*

*July 2015 - July 2020*

- Developed scalable web applications with a focus on user experience.
- Participated in code reviews and provided constructive feedback to peers.
- Mentored junior developers and contributed to their professional growth.
- Continuously discovered, evaluated, and implemented new technologies.
- Contributed to technical documentation and maintained best practices.

## **Junior Developer**

*DevStart*

*June 2012 - June 2015*

- Assisted in the development of client-server applications.
- Collaborated with senior developers to design and implement new features.
- Participated in daily stand-ups and sprint planning sessions.
- Performed debugging and troubleshooting of code.
- Maintained high standards of code quality and organization.

## **Education**

- Bachelor of Science in Computer Science, University of Somewhere, 2012

## **Skills**

- Web Development (React, Node.js, HTML, CSS)
- Agile Development Methodologies
- Code Review and Quality Assurance
- Team Collaboration and Mentorship
- Performance Optimization

## **Certifications**

- Certified JavaScript Developer, JS Institute, 2018
- Scrum Master Certification, Scrum Alliance, 2017

## **Keywords**

Web applications, modern frameworks, cross-functional teams, performance, quality, responsiveness, bottlenecks, bugs, code quality, automation, agile development, code reviews, mentoring, technical documentation, best practices.

## Python Code:

```
import json

resume_text = """

John Doe

[Contact Information]
```

## Objective

Dedicated and experienced Senior Software Engineer with 8 years of expertise in software development and team collaboration. Seeking to contribute to Tech Solutions by leveraging strong problem-solving skills and extensive knowledge of modern web frameworks.

## Professional Experience

### Senior Software Engineer

#### Tech Solutions

August 2020 - Present

- Develop and maintain web applications using React and Node.js.
- Collaborate with cross-functional teams to define and design new features.
- Ensure the performance, quality, and responsiveness of applications.
- Identify and correct bottlenecks and fix bugs.
- Help maintain code quality, organization, and automation.

### Software Engineer

#### Innovatech

July 2015 - July 2020

- Developed scalable web applications with a focus on user experience.
- Participated in code reviews and provided constructive feedback to peers.

- Mentored junior developers and contributed to their professional growth.
- Continuously discovered, evaluated, and implemented new technologies.
- Contributed to technical documentation and maintained best practices.

## Junior Developer

### DevStart

June 2012 - June 2015

- Assisted in the development of client-server applications.
- Collaborated with senior developers to design and implement new features.
- Participated in daily stand-ups and sprint planning sessions.
- Performed debugging and troubleshooting of code.
- Maintained high standards of code quality and organization.

## Education

- Bachelor of Science in Computer Science, University of Somewhere, 2012

## Skills

- Web Development (React, Node.js, HTML, CSS)
- Agile Development Methodologies
- Code Review and Quality Assurance
- Team Collaboration and Mentorship
- Performance Optimization

## Certifications

- Certified JavaScript Developer, JS Institute, 2018

- Scrum Master Certification, Scrum Alliance, 2017

## Keywords

Web applications, modern frameworks, cross-functional teams, performance, quality, responsiveness, bottlenecks, bugs, code quality, automation, agile development, code reviews, mentoring, technical documentation, best practices.

"""

```
def parse_resume_to_json(resume_text):
```

```
    # Split sections based on headings
```

```
    sections = resume_text.strip().split('\n\n')
```

```
    # Parse each section
```

```
    resume_json = {
```

```
        "name": "John Doe",
```

```
        "contact_information": "[Contact Information]",
```

```
        "objective": "",
```

```
        "professional_experience": [],
```

```
        "education": [],
```

```
        "skills": [],
```

```
        "certifications": [],
```

```
        "keywords": []
```

```
    }
```

```
    current_section = None
```

```
    for section in sections:
```

```
        lines = section.split('\n')
```

```
        title = lines[0].strip().lower()
```

```
if title == "objective":

    resume_json["objective"] = lines[1].strip()

elif title == "professional experience":

    current_section = "professional_experience"

elif title == "education":

    current_section = "education"

elif title == "skills":

    current_section = "skills"

elif title == "certifications":

    current_section = "certifications"

elif title == "keywords":

    current_section = "keywords"

else:

    if current_section == "professional_experience":

        role = {

            "job_title": lines[0].strip(),

            "company": lines[1].strip(),

            "start_date": lines[2].split('-')[0].strip(),

            "end_date": lines[2].split('-')[1].strip(),

            "responsibilities": [line.strip('-').strip() for line in lines[3:]]

        }

        resume_json[current_section].append(role)

    elif current_section == "education":

        education = {

            "degree": lines[0].strip(),

            "institution": lines[1].split(',')[0].strip(),

            "year_of_completion": lines[1].split(',')[1].strip()
```

```

    }

    resume_json[current_section].append(education)

elif current_section == "skills":

    resume_json[current_section] = [line.strip('-').strip() for line in lines]

elif current_section == "certifications":

    for line in lines:

        certification = {

            "name": line.split(',')[0].strip(),

            "issuing_organization": line.split(',')[1].strip(),

            "year": line.split(',')[2].strip()

        }

        resume_json[current_section].append(certification)

elif current_section == "keywords":

    resume_json[current_section] = [keyword.strip() for keyword in lines[0].split(',')]

return resume_json

```

```

resume_json = parse_resume_to_json(resume_text)

print(json.dumps(resume_json, indent=2))

```