

# Streamlit Frontend - Quick Start

## Running the App

### 1. Make sure dependencies are installed



bash

```
pip install -r requirements.txt
```

### 2. Run the Streamlit app



bash

```
streamlit run app.py
```

The app will open in your browser at <http://localhost:8501>

## Using the App

### Step 1: Configure Settings (Sidebar)

1. **API Key:** Enter your Anthropic API key
  - Get one at: <https://console.anthropic.com/>
  - Starts with sk-ant-
2. **Model:** Choose Claude model
  - Haiku: Fast, cheap (~\$0.01/resume)
  - Sonnet 4.5: Best quality (~\$0.15/resume)
3. **Rewrite Mode:** Enable/disable bullet rewriting
  - ⚠ Use with caution (may hallucinate)
  - Recommended: Keep disabled
4. **File Paths:** Set paths to your files
  - Resume data: resume\_data\_enhanced.json
  - Template: resume\_template.tex







### Step 2: Enter Job Details

1. **Company Name:** e.g., "Google", "Meta"
2. **Job Description:** Paste the full job posting

### Step 3: Generate

- 1. Click "🚀 Generate Resume"
- 2. Wait 10-20 seconds
- 3. Download your PDF!

### Features

-  Real-time progress updates
-  Validation warnings shown
-  PDF preview in browser
-  Direct PDF download
-  View selected content (JSON)
-  Cost-effective (~\$0.01 with Haiku)

### Output

The app generates:

- generated/resume\_filled.pdf - Your resume
- generated/resume\_data\_trimmed.json - Selected content
- generated/resume\_filled.tex - LaTeX source

### Environment Variables (Optional)

Instead of entering API key each time, create a .env file:



```
bash

ANTHROPIC_API_KEY=sk-ant-your-key-here
CLAUDE_MODEL=claude-3-5-haiku-20241022
```

### Customization

#### Change Port



```
bash

streamlit run app.py --server.port 8080
```

# Change Theme

Create `.streamlit/config.toml`:



toml

```
[theme]
primaryColor="#FF4B4B"
backgroundColor="#0E1117"
secondaryBackgroundColor="#262730"
textColor="#FAFAFA"
font="sans serif"
```

## Troubleshooting

### "API Key not found"

- Enter key in sidebar
- Or set in `.env` file

### "LaTeX compilation failed"

- Make sure LaTeX is installed
- Mac: `brew install --cask mactex`
- Windows: Download MiKTeX

### "Resume data file not found"

- Check file path in sidebar
- Make sure `resume_data_enhanced.json` exists

### PDF not showing

- Some browsers block PDFs
- Use the download button instead
- Or open `generated/resume_filled.pdf` manually

## Tips

1. **Save API Key:** Use `.env` file to avoid re-entering
2. **Start with Haiku:** Test with cheap model first
3. **Keep Rewrite Off:** Safer to use exact text
4. **Review Output:** Always check PDF before sending
5. **Batch Processing:** Generate for multiple jobs

## Advanced: Batch Processing

Want to generate for multiple jobs at once? Create `jobs.json`:



`jobs`

```
[
  {
    "company": "Google",
    "description": "Senior Android Engineer..."
  },
  {
    "company": "Meta",
    "description": "Android Developer..."
  }
]
```

Then run:



`bash`

```
python batch_generate.py jobs.json
```

(Note: Create `batch_generate.py` script if needed)

## File Structure



```

.
├── app.py                # Streamlit app
├── resume_data_enhanced.json  # Your resume data
├── resume_template.tex      # LaTeX template
├── llm_selector.py         # LLM selection logic
├── fill_latex_template_v2.py  # Template filler
├── requirements.txt        # Dependencies
├── .env                   # API keys (optional)
├── generated/             # Output folder
│   ├── resume_filled.pdf
│   ├── resume_filled.tex
│   └── resume_data_trimmed.json

```



## Cost Tracking

The app shows:

- Model being used
- Approximate cost per generation

### Estimates:

- Haiku: ~\$0.01 per resume
- Sonnet 3.5: ~\$0.10 per resume
- Sonnet 4.5: ~\$0.15 per resume

For 100 applications with Haiku = ~\$1.00 total



## Next Steps

Once comfortable with the basic app, you can:

1. Add job description templates
2. Save favorite job descriptions
3. Compare multiple resume versions
4. Add custom CSS styling
5. Deploy to cloud (Streamlit Cloud)



## Deploying to Cloud

### Streamlit Cloud (Free)

1. Push code to GitHub
2. Go to <https://streamlit.io/cloud>
3. Connect your repo
4. Add secrets (API key)
5. Deploy!

**Important:** Add API key as a secret, not in code:



Settings → Secrets → Add:

```
ANTHROPIC_API_KEY = "sk-ant-..."
```

## Support

Issues? Check:

- 1. Terminal logs for errors
- 2. Browser console (F12)
- 3. generated/ folder for outputs
- 4. LaTeX logs in terminal

Happy resume generating! 🎉