**Tech stack and services**

| Feature | Technology used | Reason |
| --- | --- | --- |
| Job Application Form | Google Forms | No-code, easy to set up, integrates with Google Sheets |
| Cloud Storage | Google Drive | Free for small use, direct integration with Forms |
| CV Parsing | Parseur | No-code, auto-extracts structured data from PDFs |
| API/Webhook | Zapier Webhooks | No-code, sends CV data to API endpoint |
| Follow-Up Emails | Zapier + Gmail | Automates email sending 24 hours later |
| Documentation | Google Docs | Simple to share and format |

**A high-level architecture diagram of the pipeline.**

<https://lucid.app/lucidchart/0588b85a-3faf-4610-a19e-94df4cc29d10/view>

**Cost Breakdown**

| **Service** | **Cost for 100 Applicants** | **Cost for 1M Applications** |
| --- | --- | --- |
| **Google Forms + Sheets** | **Free** | **Free** |
| **Google Drive(CV STORAGE)** | **Free(15GB)** | **$2/month (100GB Google One Plan)** |
| **Parseur (CV Parsing)** | **Free (20 docs)** | **$99/month (Business Plan)** |
| **Zapier (Automation)** | **Free( 5 zaps)** | **$49/month (Starter Plan)** |
| **Gmail (Email Automation)** | **Free** | **Might require Sendgrid( $14.95/month)** |
| **Total Cost** | **$0** | **$150 per month** |

**Challenges & Scalability Considerations**

* Issue: Zapier's free plan has a limit of 5 automations.  
   Solution: Use Google Apps Script instead for free automation.
* Issue: Google Drive has a 15GB limit.  
   Solution: Use AWS S3 for better scalability.
* Issue: Parseur becomes expensive for high volumes.  
   Solution: Switch to a custom Python script using PyMuPDF to extract CV data.

**Improvements & Future Enhancements**

* Upgrade Storage: Move from Google Drive to AWS S3.
* Better Email System: Switch from Gmail to SendGrid for large-scale email automation.
* Advanced Parsing: Use AI-based resume parsing for better accuracy.