

Job-Applicator Plan

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1 General

The Profile Manager is a key component of the job-applicator system responsible for unified management of the user's professional profile across multiple platforms.

NOTE: This is the section you are hand-waving the most like clearly layout the most base requirements of whatever you can think of in this section. Start with the actual information points you have to extract from the various sources

2 Education

Education encompasses the formal academic background of the user.

ed_lvl*	enum	Ed. Lvl: HS, Assoc, UG, PG, PhD, PD	UG
ed_org*	str	Name of educational institution	Drexel University
ed_degree*	str	Degree name	Bachelor of Science
ed_startdate*	date	MM/YY started	08/20
ed_enddate*	date	MM/YY ending	05/25
ed_status*	enum	Status: Complete, Ongoing, Drop	Complete
ed_majors*	list	List of majors, 1 required	Computer Science
ed_minors	str	List of minors	Artificial Intelligence
ed_location	str	Parsable location	Philadelphia, PA
ed_gpa	float	Grade Point Average listed	3.85

Resumé usually has this with all the above requirements in it as required, different templates can obviously make this harder to distinguish and extract

Linkedin on the other hand might store this section in more detail making it so that we have to corroborate across sources

CV will store the bare minimum representation of the same

3 Work Experience

Work experience encompasses professional roles that contribute to a user's career progression.

exp_org*	str	Company Name	Google Inc
exp_role*	str	Job role	CTO and Founder
exp_startdate*	date	MM/YY started	06/22
exp_enddate*	date	MM/YY ending or "Present"	08/23
exp_location*	str	Parsable location	New Delhi, India
exp_type*	enum	Type: full-time, intern, research, free-lance	intern
exp_desc*	str	Full description typed for experience	Led ERP product development
exp_skills*	2.1.4 Skill	Skills associated with the experience	Skill object in 2.1.4
exp_tech	list	Technologies used	Laravel, Angular, MySQL, AWS
exp_action_words	list	Cross-checked with available list to judge resume	Implemented, Enhanced
exp_modality	enum	Remote, IRL, Hybrid	Remote
exp_industry	str	Industry sector	SaaS, ERP Software

Resumé: Primary source for structured experience (Org, Role, Dates, Location, Responsibilities/Achievements). Detail varies significantly by format.

Linkedin: Often more comprehensive than resumé, with expanded descriptions, linked skills, and longer timelines. Useful for corroboration and details omitted for brevity elsewhere.

Cover Letter: Highlights relevant experiences, providing narrative context or elaborating on key achievements, but usually not a full history.

4 Key Projects

Key projects encompass significant technical or research endeavors that demonstrate the user's capabilities and expertise.

proj_name*	str	Project title	Spreadsheet 2D Context Model
proj_startdate*	date	MM/YY started	08/24
proj_enddate*	date	MM/YY ending or "Present"	Present
proj_desc*	str	Full description of the project	Developed a Transformer-based model optimized for spreadsheet data analysis
proj_skills*	2.1.4 Skill	Skills associated with the project	Skill object in 2.1.4
proj_tech	list	Technologies/tools used	PyTorch, Hugging Face, Pandas
proj_metrics	list	Quantifiable or qualitative achievements	F1 score: 0.99, Produced accurate summary
proj_url	str	Link to project repository or demo	github.com/username/project
proj_team	list	Team members involved	Nakul, Self
proj_role	str	Role in the project	Lead Researcher
proj_type	enum	Type: research, coursework, personal	research

Resumé: Often lists key projects with concise titles, descriptions, technologies used, and potentially a URL (proj_url).

Linkedin: Has a dedicated section to list projects, allowing names, descriptions, associated roles/education, team members, skills, and media/URLs.

Cover Letter: Selectively highlights specific projects, providing narrative context on their relevance or impact.

Github: Serves as the primary repository for code-based projects, providing detailed READMEs, code, commit history, and validation. Often the target of proj_url from other sources.

5 Skills and Knowledge Areas

Skills and knowledge areas represent the user's technical abilities, domain expertise, and specialized knowledge. Also contain soft skills

skill_category*	str	General skill category	Artificial Intelligence & Machine Learning
skill_items*	list	Specific skills within the category	Supervised learning, Deep learning, Transformers
skill_type*	enum	Soft, Hard/Technical	Hard
skill_lvl	enum	Internal algo	Some score
skill_exp	int	Ceiling yrs	4
skill_spread	Dict	Projects/roles demonstrating skill	Spreadsheet 2D Context Model

Resumé: Often lists hard skills in a dedicated section or implicitly within experience/project descriptions.

Linkedin: Features a 'Skills' section where connections can provide endorsements for validation. Skills (hard & soft) are also inferred from text content.

Cover Letter: Narratively highlights specific hard and soft skills tailored to the target application.
Github: Demonstrates technical skills via code (languages, libraries), repository topics, and READMEs. Contribution activity implies proficiency/collaboration.

6 Professional Certifications

Professional certifications represent formal credentials and qualifications earned by the user.

cert_name*	str	Full certification name	AWS Certified AI Practitioner
cert_issuer*	str	Issuing organization	Amazon Web Services
cert_date*	date	MM/YY issued	03/24
cert_id	str	Certification ID or reference number	AIF-C01-12345
cert_expiry	date	MM/YY expires (if applicable)	03/27
cert_url	str	Verification link	verify.aws.amazon.com/12345
cert_skills	2.1.4 Skills	Skills type object validated by certification	AWS, AI, Machine Learning
cert_lvl	str	Level of certification (if applicable)	Associate

Resumé: Often includes a section listing certifications, potentially with issuing organization and date/ID.

LinkedIn: Features a dedicated 'Licenses & Certifications' section for detailed entries including name, issuer, dates, and credential URLs/IDs.

Cover Letter: May highlight highly relevant certifications narratively to support qualifications for a specific role.

7 Related Coursework

Related coursework encompasses academic courses relevant to the user's professional field and expertise.

course_name*	str	Course title	Natural Language Processing
course_org*	str	Institution offering the course	Drexel University
course_category*	str	The general category it falls under we use to classify skills etc.	NLP
course_code	str	Course code or identifier	CS-584
course_date	date	MM/YY completed	12/23
course_grade	str	Grade received	A
course_desc	str	Brief description of course content	Advanced techniques in natural language understanding and generation
course_skills	2.1.4 Skills	Skills/knowledge acquired	Transformers, Tokenization, Embeddings
course_projects	2.1.3 Key Projects	Projects completed during course	Abstractive Summarizer with BART

Resumé: Frequently lists relevant course titles under education or a dedicated coursework section.
Linkedin: Courses can be added under the 'Accomplishments' section or associated with specific Education entries.
Cover Letter: Unlikely to list specific courses; might reference a general field of study relevant to the application.

8 Publications

Publications represent scholarly articles, research papers, or other formal written works authored by the user.

pub_title*	str	Publication title	Adversarial Summarization with BART
pub_date*	date	MM/YY published	06/24
pub_authors*	list	List of authors	Mirza, F., Williams, J.
pub_venue	str	Journal/conference/publisher	International Conference on NLP
pub_doi	str	Digital Object Identifier	10.1109/ICNLP.2024.12345
pub_url	str	Link to publication	icnlp.org/proceedings/2024/12345
pub_citations	int	Number of citations	7
pub_abstract	str	Brief abstract of publication	Novel approach to abstrac- tive summarization using adversarial learning
pub_keywords	list	Publication keywords	NLP, Summarization, GAN, BART
pub_type	enum	Type: Journal, Conference, Workshop, Preprint	Conference
pub_status	enum	Status: Published, In Press, Under Re- view, In Preparation	Published

Resumé: Lists publications (title, authors, venue, date), potentially with URL/DOI, in a dedicated section or linked from projects/education.
Linkedin: Has a dedicated 'Publications' section for detailed entries including title, publisher, date, authors, URL, and description.
Cover Letter: May highlight significant or highly relevant publications narratively to demonstrate expertise.
Github: Can host associated code, datasets, or supplementary materials, often linked via the publication's URL (pub_url) or a related project entry.