



TECHNICAL SPECIFICATIONS

Job Order and Resume Parsers

Sovren's job order and resume parsers boast a powerful number of features to make parsing seamless and configurable to any needs. We've listed our software's technical specifications in great detail, so you can see exactly how it integrates, how it operates and what items are being parsed.

Deployment	100% Cloud-hosted solution.	
Integration	Available as a cloud-based service via a SOAP API or via a RESTful API.	
Security	Our SaaS Service uses SSL and does not store your data.	
Scalability	Runs on Amazon AWS, scales both vertically and horizontally and has no document limits.	
Configurability	Configurable per transaction, with over 100 options, or just use the defaults.	
Input Formats	Accepts input documents in every commercial resume document format, including:	
	Microsoft Word (all versions including DOCX)	HTML Archives
	PDF	Email
	HTML	Text (many encodings)
	Rich Text (RTF)	Excel
	OpenOffice 2.+	Compressed files (Zip, Gzip)
	Microsoft Office HTML	And all the others
Throughput	Average parsing times are about 500 ms per transaction, and you can run transactions simultaneously for even greater throughput. Average search times are less than 250 ms. Average matching transaction times are less than three seconds.	
Output Formats	Output available as JSON and XML.	
Multi-Language Support	Performs automatic locale and language detection, and default locales can be configured per transaction.	
	We support parsing in the following languages:	
	Chinese (Simplified)	Hungarian
	Czech	Italian (all dialects)
	Dutch	Norwegian
	English (all dialects)	Portuguese (all dialects)
	French (all dialects, including Canada, Belgium, Italy, Liechtenstein, and others)	Russian (including Belarusian)
	German (all dialects including Switzerland, Liechtenstein and Austria)	Spanish (also Catalan, Galician, Basque)
	Greek	Swedish
		More planned

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Multi-Locale Support

Performs automatic locale detection, and every locale can be configured per transaction.

Explicit support for the following locales:

Argentina	Ireland
Australia	Italy
Austria	Liechtenstein
Belgium	Luxembourg
Bolivia	Netherlands
Brazil	New Zealand
Canada	Norway
Chile	Portugal
China	Russia
Czech Republic	Singapore
Denmark	Spain
Finland	South Africa
France	Sweden
Germany	Switzerland
Greece	United Kingdom
Hong Kong	United States of America
Hungary	Most major cities of the world
India	

Supported Resume/CV Sections

Contact Info	Use/Location (i.e., home, work, personal)
Person Name	Personal URLs
Given Name	Job Objective
Preferred Name	Executive Summary
Middle Initial	Qualification Summary
Family Name	Employment History
Suffixes and suffix types (educational, generational, qualification)	Start Date
Formatted Name	End Date
Postal Addresses	Employer Name (with probability score)
Use/Location (i.e., home, work, school)	Position Title (with probability score)
Street Address lines	Organization Name (i.e., division, department, client)
Municipality	Location: Municipality, Region, Country
Region(s)	Job Category (the predominant skills taxonomy name and ID that describes this job)
Country	Job Level (management or ability level)
Postal Code	Full Text/Job Description
Phone Numbers	Support for nested positions
Use/Location (i.e., home, work, personal)	Number of Employees Supervised
Phone Type: Telephone, Mobile, Fax, Pager, TTYTDD	Self-Employed
Phone Number: Original Format, Normalized Format or Structured when Available	Bulleted Format
Email Addresses	<i>Continued below...</i>

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Supported Resume/CV Sections (Continued)

Education History	Start Date	End Date	Recognition
Start Date	End Date	Disciplinary Action	Discharge Disposition
End Date	Graduation Date	Security Clearances	Specific clearances or “has/does not have a clearance”
Graduation Date	School Name	Associations	Organization
School Name	Location: Municipality, Region, Country	Role	Speaking Engagements
Location: Municipality, Region, Country	Degree Type (normalized)	Publication Date	Date
Degree Type (normalized)	Degree Name	Publication Type	Title
Degree Name	Major	Publications	Authors
Major	Minor	Title	Journal
Minor	GPA (actual/scale)	Volume	Publisher
GPA (actual/scale)	Full Text/Description	Publication Date	Publication Type
Full Text/Description	Graduated (true/false)	ISBN	Patents
Graduated (true/false)	Normalized GPA (compare GPA across different scales)	Patent Name	Inventors
Normalized GPA (compare GPA across different scales)	Training History	Patent Status	Patent Date
Training History	Start Date	References	Full Contact info
Start Date	End Date	Position Title	Org name
End Date	Type of training	Hobbies	Full Text of hobbies section
Type of training	Name of training	Additional Optional Personal Data	Ancestors (name of mother, name of father)
Name of training	Entity providing the training	Birthplace	Birthplace
Entity providing the training	Qualifications	Date of Birth	Date of Birth
Qualifications	Description	Driving License	Driving License
Description	Competencies	Family Composition (spouse, children)	Family Composition (spouse, children)
Competencies	Skill Name	Gender	Gender
Skill Name	Date Last Used (calculated by parser)	Location (current, preferred)	Location (current, preferred)
Date Last Used (calculated by parser)	ID values: Skill ID, Parent ID, Taxonomy ID	Marital Status	Marital Status
ID values: Skill ID, Parent ID, Taxonomy ID	Context (Work History, Education, etc., as well as specific Positions or Degrees)	Mother Tongue	Mother Tongue
Context (Work History, Education, etc., as well as specific Positions or Degrees)	Cumulative Months (calculated by parser)	Nationality	Nationality
Cumulative Months (calculated by parser)	Fully customizable skills hierarchy, per transaction, with control of case sensitivity per item		
Fully customizable skills hierarchy, per transaction, with control of case sensitivity per item	Licenses and Certifications		
Licenses and Certifications	Name		
Name	Date		
Date	Achievements		
Achievements	Description		
Description	Foreign Languages		
Foreign Languages	Read		
Read	Write		
Write	Speak		
Speak	Mother Tongue		
Mother Tongue	Military History		
Military History	Unit or Division		
Unit or Division	Rank		
Rank			

Continued below...

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Supported Resume/CV Sections (Continued)

National Identity Numbers (multiples allowed, each with number, type, phrase)	Taxonomy Name, ID, Source
Passport Number	Weight
Visa Status	Percent of Overall
Willing to Relocate	Percent of Parent
Salaries (current, expected) (amount and currency)	Culture
Hukou City and Area [Chinese only]	Language and Country of the resume, either auto-detected or assigned
Political Landscape [Chinese only]	Custom Data
QQ number [Chinese only]	Customer-defined data extractions
Workforce and Management Experience	Other Information
Total years of all experience in career	Full text of Cover Letter
Total years of management experience in career	Normalized full text of Resume/CV
Average months per employer	List of Resume/CV sections: Type, Line Numbers, Section Header
Current management level	Every Phone Number, Email Address and URL found in the document
Highest management score (0-100)	Time to parse (in milliseconds)
Executive type	Timeout occurred (after milliseconds)
Human-readable synopsis of management history	Length of text that was parsed
Best Fit Taxonomies, Experience-Weighted	Parser configuration
N-level hierarchy of Best Fit Taxonomy matches, each having:	Parser version
	Revision date

Supported Job Order Sections

Job ID	Taxonomies
Document Language	Best Fit Parent Taxonomy Name and ID
Current Job is Management (boolean)	Best Fit SubTaxonomy Name and ID
Highest Management Score	Second Best Fit Parent Taxonomy Name and ID
Management Level	Second Best Fit SubTaxonomy Name and ID
Executive Type	Education
Main Job Title	Degree Type (normalized)
Other Job Titles	Degree Name
Main Employer Name	Required Degree
Other Employer Names	Minimum Years of Experience Required
School Names	Maximum Years of Experience Allowed
Certifications and Licenses	Minimum Years of Management Experience Required
Foreign Languages (2-digit ISO 639-2 codes)	Maximum Years of Management Experience Allowed
Current Location	Bill Rate
Municipality	Pay Rate
Region	Job Description
Postal Code	Type of Source Document
Country Code	Source Text (full text of the job)
Latitude	Owners of the job
Longitude	IDs of the job
Required Skills	Revision Date
Other Skills	
Terms of Interest (optional)	

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Resume Data Normalized

School Name	Phone Number
Degree Type	GPA
Degree Name	Region Name
Employer Name	County Code
Job Title	

Skills Taxonomies

We have the industry's most comprehensive skills taxonomies, covering over 60 top-level categories, over 530 subcategories and almost 25,000 skills, including skills grouped into synonym groups.

Parsers include a GUI Skills Editor application that allows you to see and modify the built-in taxonomy, including adding, deleting, moving or editing skills and taxonomies. Specify and use your own skills, or use a combination of your skills and any or all of the built-in skills. There are unlimited custom skills lists, and at time of parsing you can specify which list(s) to parse with.

Geocoder

Our Geocoder takes in parsed jobs or resumes in JSON or XML format and adds geo coordinates. We use the world's most accurate geocoding, at street/house level. You are then able to take in your credentials to Bing or Google and use your own preferred geocoding.