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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 over 60 commercial resume document formats, 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   Median parsing times are roughly 1/2 second per transaction, and you can run transactions simultaneously (see Acceptable Use Policy for exact information) for even greater throughput.

Median search times are less than 250 ms.

Median matching transaction times are less than 500 ms.

Output Formats   JSON and XML.

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Multi-Language Support   Performs automatic locale and language detection, and default locales can be configured per transaction.

We support parsing in the following languages:

Bulgarian	Italian (all dialects)
Chinese (Simplified)	Latvian
Croatian	Lithuanian
Czech	Norwegian
Danish	Polish
Dutch	Portuguese (all dialects)
English (all dialects)	Romanian
Estonian	Russian (including Belarusian)
Finnish	Slovak
French (all dialects, including Canadian French)	Slovenian
German (all dialects including Switzerland, Liechtenstein and Austria)	Spanish (also Catalan, Galician, Basque)
	Swedish
Greek	More planned
Hungarian	

Multi-Locale Support   Performs automatic locale detection, and every locale can be configured per transaction.

Explicit support for the following locales:

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

Supported Resume/CV Sections

Contact Info
- Person Name
- Given Name
- Preferred Name
- Middle Initial
- Family Name
- Suffixes, and suffix types (educational, generational, qualification)
- Formatted Name
- Postal Addresses
- Use/Location (i.e., home, work, school)
- Street Address lines
- Municipality
- Region(s)
- Country
- Postal Code
- Phone Numbers
- Use/Location (i.e., home, work, personal)
- Phone Type: Telephone, Mobile, Fax, Pager, TTYTDD
- Phone Number: Original Format, Normalized Format or Structured when Available
- Email Addresses
- Use/Location (i.e., home, work, personal)
- Personal URLs

Job Objective

Executive Summary

Qualification Summary

Employment History
- Start Date
- End Date
- Employer Name (with probability score)
- Position Title (with probability score)
- Organization Name (i.e., division, department, client)
- Location: Municipality, Region, Country
- Job Category (the predominant skills taxonomy name and ID that describes this job)
- Job Level (management or ability level)
- Full Text/Job Description
- Support for nested positions
- Number of Employees Supervised
- Self-Employed
- Bulleted Format

Education History
- Start Date
- End Date
- Graduation Date

School Name
- Location: Municipality, Region, Country
- Degree Type (normalized)
- Degree Name
- Major
- Minor
- GPA (actual/scale)
- Full Text/Description
- Graduated (true/false)
- Normalized GPA (compare GPA across different scales)

Training History
- Start Date
- End Date
- Type of training
- Name of training
- Entity providing the training
- Qualifications
- Description

Competencies
- Skill Name
- Date Last Used (calculated by parser)
- ID values: Skill ID, Parent ID, Taxonomy ID
- Context (Work History, Education, etc., as well as specific Positions or Degrees)
- Cumulative Months (calculated by parser)
- Fully customizable skills hierarchy, per transaction, with control of case sensitivity per item

Licenses and Certifications
- Name
- Date
- Achievements
- Description

Foreign Languages
- Read
- Write
- Speak
- Mother Tongue

Military History
- Unit or Division
- Rank
- Start Date
- End Date
- Recognition
- Disciplinary Action
- Discharge Disposition

Continued...

Supported Resume/CV Sections

Security Clearances
    Specific clearances or "has/does not have a clearance"

Associations
    Organization
    Role

Speaking Engagements
    Do not rely on granular data output in this section

Publications
    Do not rely on granular data output in this section

Patents
    Do not rely on granular data output in this section

References
    Full Contact info
    Position Title
    Org name

Hobbies
    Full Text of hobbies section

Additional Optional Personal Data
    Ancestors (name of mother, name of father)
    Birthplace
    Date of Birth
    Driving License
    Family Composition (spouse, children)
    Gender
    Location (current, preferred)
    Marital Status
    Mother Tongue
    Nationality
    National Identity Numbers (multiples allowed, each with number, type, phrase)
    Passport Number
    Visa Status
    Willing to Relocate
    Salaries (current, expected) (amount and currency)
    Hukou City and Area [Chinese only]
    Political Landscape [Chinese only]
    QQ number [Chinese only]

Workforce and Management Experience
    Total years of all experience in career
    Total years of management experience in career
    Average months per employer
    Current management level
    Highest management score (0-100)
    Executive type
    Human-readable synopsis of management history

Best Fit Taxonomies, Experience-Weighted
    N-level hierarchy of Best Fit Taxonomy matches, each having:
    Taxonomy Name, ID, Source
    Weight
    Percent of Overall
    Percent of Parent

Culture
    Language and Country of the resume, either auto-detected or assigned

Custom Data
    Customer-defined data extractions

Other Information
    Full text of Cover Letter
    Normalized full text of Resume/CV
    List of Resume/CV sections: Type, Line Numbers, Section Header
    Every Phone Number, Email Address and URL found in the document

Time to parse (in milliseconds)
Timeout occurred (after milliseconds)
Length of text that was parsed
Parser configuration
Parser version
Revision date

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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)	

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—in every supported language—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.