

PRECOGNOX

We would like to give an insight into our work and present our areas of capabilities through an overview of some of the projects we have developed.

Semantic technologies

Profession job search engine

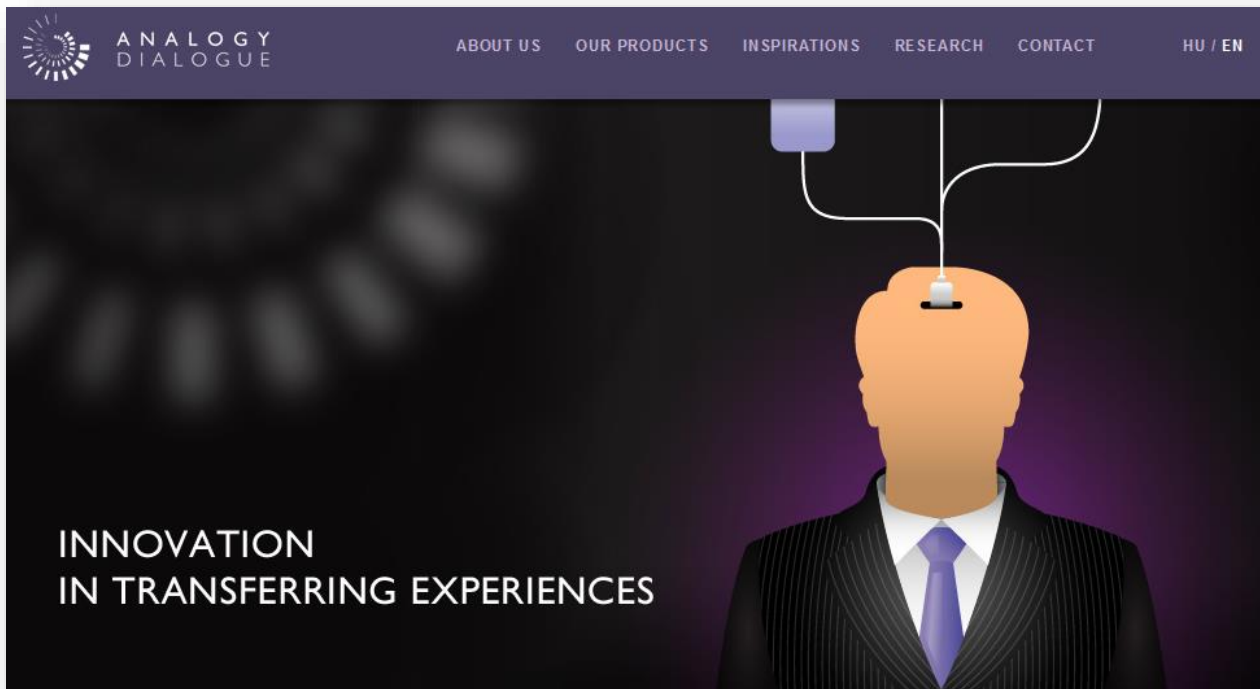
The screenshot displays the Profession job search engine interface. At the top, there is a navigation bar with the 'PROFESSION' logo and menu items: Home, Search, My Ads, My Searches, My Newsletters, MyCV, and Career Magazine. On the right, there are buttons for 'Employees' (Login, Registration) and 'For employers' (Post a job, Login, Hiring solutions). Below the navigation bar is a search form with 'what:' (job, keyword or company name) and 'where:' (city or county) fields, a 'Search' button, and an 'Advanced search' link. Below the search form, there are popular keywords and statistics: 'Popular keywords: asszisztens, mérnök, orvoslátogató, programozó, területi képviselő' and '4569 job offers, 1205 companies'. The main content area shows search results for 'Experienced Java Developer Colleague' and 'JAVA és/vagy RUBY/PYTHON Fejlesztő'. The first result is from Aarensen Consulting Kft. and the second is from Starschema Kft. On the right side, there are social media links, a 'Közösségi eszközök' section with 'Ismerősök dolgoznak a hirdetőknél?' and 'Cégek, ahol az ismerőseim dolgoznak', and a 'Modification of search criteria' section with filters for keyword (JAVA), advertiser (Do not list agencies\' adverts), and major (Engineering (5), Finance / Accounting (2), Fresh graduate - trainee programs (5), HR / Human resources / Labour (1)).

Job seekers are under extreme pressure these days - so job sites are too. Profession is offering one of the most comprehensive collection of online job ads in Hungary. It served its clients with result based on simply query matching. But job seekers are in a hurry, they do not try every possible name for a position, they make typos

and they want relevant result in a blink of an eye. With Precognox's purpose-built solutions, Profession is now offering a semantic search interface. The new search engine handles synonyms and common typos - so it can serve job seekers with more relevant ads within less time. Try this online: <http://www.profession.hu>

Knowledge management

Analogy Dialogue



Knowledge is your greatest asset. It lies in the head of your colleagues that's why it is extremely hard to preserve and distribute it. Analogy Dialogue (AD) offers an unique solution to knowledge management. AD's products, powered by Precognox's search solutions, let's you to collect knowledge in case studies and summaries - the usual formats that's often times end up in a never opened file cabinet - and turn them into a super smart knowledge base. You can use your knowledge base to find similar cases to your

recent problems, or to find hidden relationships between your past accomplishments. Team members come and go these days, now their experiences and knowledge remains your asset!

Try this online: <http://analogydialogue.com/>

See online video about this service: http://www.youtube.com/watch?feature=player_embedded&v=YdZDFGDCMxU#!

Enterprise search

Cylex business directory search

Home CYLEX Quote Requests Sign in Register f g+ t

CYLEX Search Keyword (e.g. Doctor) City Q SEARCH

CYLEX Business Directory UK

Here you will find companies, institutions, clubs, lawyers, etc. from all over the country. Please feel free to contact them. If you already know a company, you may write reviews about its products and services. Help the others make the right decisions. Our aim is to connect companies and consumers by providing a better environment to help them make the best buy and sell decisions.

CYLEX for companies

CYLEX operates as a powerful business tool when its FREE services are used to the fullest extent. Submit your company to our Business Directory, because a rich and meaningful presentation page can attract more customers. Make your presentation page more appealing with a menu, brochure or price list. Expand your customer base by regularly posting Special Offers. Create a "products and services catalogue", upload a video to improve your online business presence through our directory.

[REGISTER](#)

Most popular searches

- Antiques
- Auctions
- Bakery
- Birthday Cakes
- Blinds
- Cafes
- Church
- Conservatory Furniture
- Credit Union
- Doctors
- Estate Agents
- Family Planning Clinic
- Leisure Centre
- Library
- Locksmiths
- Motors
- Opticians
- Orphanage
- Second Hand Furniture
- Sheds
- Skip Hire
- Solicitors
- Suit Hire
- Sunbed Hire

Special offers

- FREE** Inbox Translation
- 10%** Easy Essex Removals
- 10%** Best Buddies Pet & Fishing Supplies
- 20%** PST Printer Supplies Technology Co.,Ltd.
- HALF PRICE** Simply Wholistic

[Advertise yours...](#)

The new, Solr-based search engine is highly customized to the needs of Cylex and is capable of index-time transformations, such as stemming and using payloads to store weights and increase score for specific terms or phrases. It refines retrieval by ranking arbitrary compound functions, using available customer data and business logic.

The new generation search engine enables faster retrieval and even more relevant search targets due to improved linguistic and computational processing.

The latest versions of the search engines for Cylex Business Directories by Precognox are already up and running for the British and the German market, available at <http://www.cylex-uk.co.uk/> and <http://www.cylex.de/> respectively.

Imre Papuscan, Product Manager at Cylex: At first we attempted building the search engine ourselves as we had a clear vision of what we wanted to achieve, but we got stuck in development and we had to admit not quite having the experience in Solr-based solutions. That was when we turned to the experts of Precognox and started an interactive developing procedure where we were stunned by their experience, competence and attitude towards their profession. We managed to overcome all the mishaps step by step, assembled the pieces of the puzzle piece by piece - as we knew how and where the data was stored and where the points were a slight change in the algorithm was enough to solve a problem without the search result being much affected. Feedback so far shows that not only us but our customers are also delighted with the search engine.

ODR search

The screenshot displays the ODR search engine interface. At the top, there is a logo for 'Országos Dokumentum-ellátási Rendszer' (ODR) and navigation links for 'MOKKA-ODR catalogue', 'ODR search', 'Services', and 'About ODR'. The search bar contains the text 'john' and a 'Search' button. Below the search bar, it indicates that the search engine searches in sources like Corvinus Research, DEA, EPA, HUMANUS, MATARKA, MOKKA, and NDA. The results are sorted by semantic relevance, showing 55332 results. The interface includes filters for 'Author', 'Subject', and 'Date'. The 'Author' filter lists names like Soars, John (669), Soars, Liz (624), Steinbeck, John (421), Williams, John (386), and Uddike, John (363). The 'Subject' filter lists categories like Amerikai (2465), DVD (1882), Anqol (1767), Anqol irodalom (1470), and Játékfilm (927). The 'Date' filter shows ranges like 1100 - 1199 (1), 1400 - 1499 (1), 1500 - 1599 (2), and 1600 - 1699 (121). The main results area shows a list of search results, including 'John Bunyan: az üstfoltozó, a prédikátor és A zarándok útja szerzője' by John Bunyan, 'Imagine: John Lennon' by Warner Home Video, and 'John Lennon' by M. Kvkclub. There are also small book covers for 'John Lennon' and 'John Coltrane'. On the right side, there is a 'WorldCat (See all)' section with links to 'The pilgrim's progress' by John Bunyan, 'John Adams' by David G McCullough, 'Journal of a soul' by John, Pope, and 'John' by Cynthia Lennon.

ODR Search Engine searches all the bibliographic data available in Hungary (more than 6.5 million records) ODR (Országos Dokumentumellátó Rendszer - "National Document Supply System") is an inter-library custom search engine for the masses. In 1997 a law was passed in Hungary that enabled the setup of an inter-library document supply system that includes (on top of the inter-library document supply) the location records of these library documents. Various national, regional, and university libraries with professional of general

focus are contributing to the ODR Search Engine. These sources in number and quality guarantee the successful outcome of a search.

The search engine is an easy-to-use, Google or Bing-esque user interface, enabling quick browsing and supporting target-finding refinement by various search options, e.g. intelligent clustering of results.

Try this online:
<http://www.odrportal.hu/kereso/?lng=en>

iDEalista search engine



The screenshot shows the iDEalista search engine interface. At the top, there is a search bar with the text "smith" and buttons for "Search" and "Clear". Below the search bar, there are tabs for "whole iDEa", "profiles", "publications", and "multimedia". The search results are displayed in a list format, with the first two results visible. The first result is titled "Statistical signal processing" and the second is titled "Primer of modern analysis : directions for knowing all dark things, Rhind papyrus, 1800 B.C.". The interface also includes a sidebar with filters for "Author" and "Institute", and a main area with pagination and sorting options.

A search service developed for the University of Debrecen - with its engine also used by international customers - that enables not just character-based correspondence, but also considers language-specific features (English, Hungarian, etc.). The purpose of developing this service was mapping and indexing the data sources of the portal system along with creating a user-friendly search interface.

The system supports simple and complex, advanced search options as well.

Pre-search options include: "full iDEa": searches the full university database, "profiles": searching persons or units, "publications": searches in data of publications, "multimedia": searches in audiovisual materials.

Advanced-only pre-search options (with separate search fields): search by title, or author.

Search query options include: inflections in the results, AND/+ : include all search query terms in the results, OR : include at least one of the query terms, amping by using "*" - taking only the stem of the search query in consideration, including all inflection in the results, quotation marks: searching the exact terms in the exact order.

Post-search options include (clusters): Author, Institute, Type, Language, Date, Source.

The system also supports various filtering options to refine search. The results include links to the original document. All these options are

established to maximize the chance of retrieving the correct results with manual refinement if necessary.

Collecting Unstructured Data

CV&More

The aim was to develop an easy-to-integrate service that draws data - typical to resumes - from issued documents, treating them as CVs.

The software runs on our servers in the suggested realization and it can be called from the contractor's software in the SaaS model. The CV&More system sends over a CV document as a single piece of data, coming back with a structured text.

Input file formats: DOC, PDF, RTF, Open office, TXT

Language of the input file: Hungarian, English, German

Output file formats: XML, JSON

The software analyzes the resume by data-identification and structural characteristics and attempts to detect personal data, such as name, date of birth, address, telephone number and e-mail address.

Attempts to identify previous workplaces: the workplace, name of the company, the duration of

Internfish internfish.com

Internfish is a one stop shop for students looking for internship and scholarship opportunities. Precognox's InfoHarvester crawls the web for such opportunities and turns ads into a central,

Try this online:

<http://idea.unideb.hu/idealista/?lng=en>

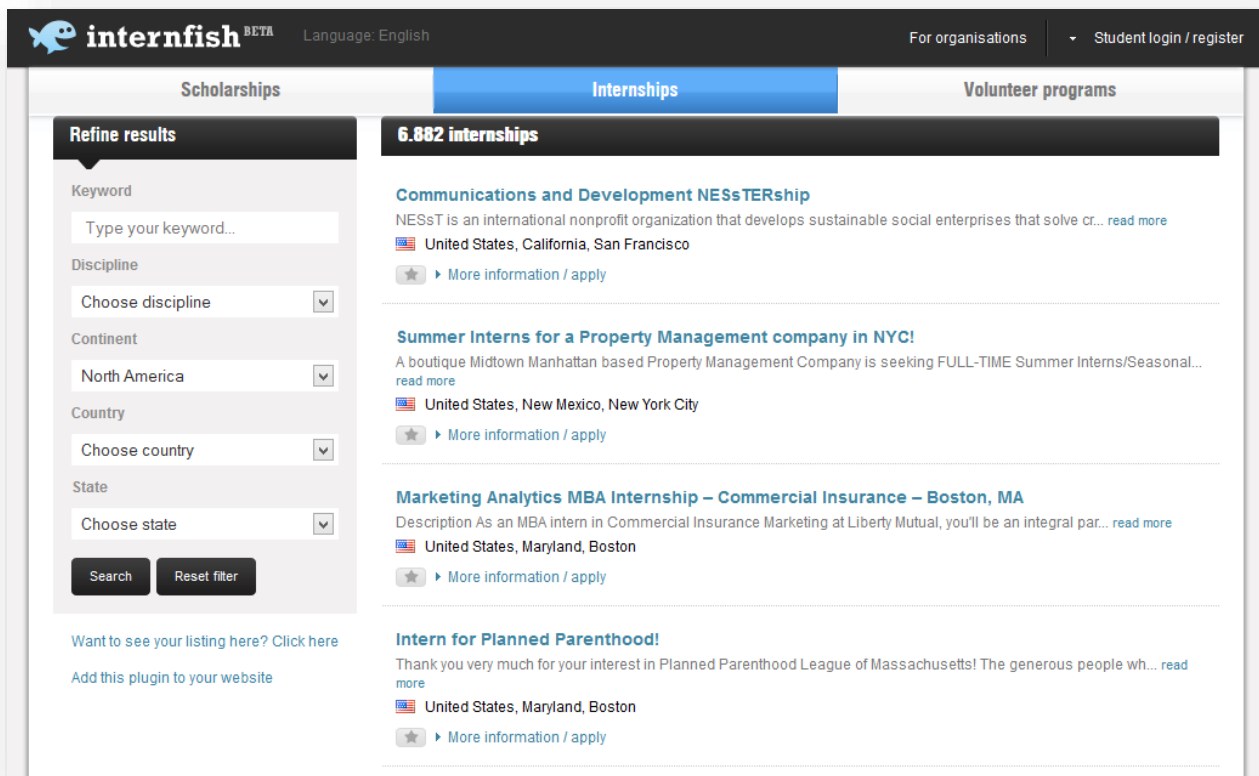
employment (in a from year to year format), possibly with the position held. Attempts to draw data regarding to former education: name of the institute, duration (in a from year to year format).

The software shall search for structural recurrence in such listed, multi-component data as in the examples above, therefore it expects the input showing signs of structure for the successful detection.

Detecting acquired foreign languages, possibly with their level as well, identifying the sex of the candidate and a lot of other data.

With enhanced text analyzing skills, recognition of the various data groups is efficient as much as by 75% the least. Each member of the data within a group count individually in succeeding, e.g. a successful detection of the name and place of the workplace alongside the unsuccessful detection of the "from-to" dates measure a 50% efficiency in this instance.

structured, searchable database. Students don't have to spend hours digging the Web for every possible opportunities any more - they can find everything on Internfish!



Try it online: <http://www.internfish.com>

Content providers

ITBusiness

When information is abundant and time is limited, trusted sources mean the solution. Managers and decision makers have only limited time to acquire and analyze the necessary information. ITBusiness provides high quality, trusted

information to its readers. Precognox's enterprise search solution makes the content easily findable so readers don't waste their time on tedious searching.

Webicina

Aggregating and curating content is a hard, yet highly regarded task. Webicina provides medical professionals a tool for aggregating and curating high quality health-related content, and helps patients to find information relevant

to their medical condition. Webicina offers a multilingual solution in 24 languages. Precognox helps Webicina to collect, filter and make searchable its curated content.

Try it online: <http://www.webicina.com>




The most relevant, curated,
medical social media resources.

Over 80 medical topics, 3000 resources, 17 languages.

HOME
ABOUT US
SOLUTIONS
OUR CLIENTS
BLOG

Search in our resources: SEARCH

9846 results sorted by semantic relevance

Result order: Relevance ▾ Descending ▾ Number of results: 10 ▾ 1 2 3 4 5 [Next](#)

Medical Social Media Collections

- [Psoriasis and Web 2.0 \(57\)](#)
- [Dermatology and Web 2.0 \(5\)](#)
- [Arthritis and Web 2.0 \(1\)](#)
- [Rheumatology and Web 2.0 \(1\)](#)

Curated News Categories

- [Psoriasis \(7200\)](#)
- [Dermatology \(702\)](#)
- [Medicine \(422\)](#)
- [Rheumatology \(354\)](#)
- [Asthma \(176\)](#)
- [More facets](#)

Resource Types

[666 \(6703\)](#)

Psoriasis and Web 2.0

<http://www.webicina.com/psoriasis/>

Psoriasis 2.0. Collection of **psoriasis** related blogs, podcasts, slideshows, mobile applications and community sites to help you keep yourself up-to-date.

Type: Social Media Collection **Language:** English

My Psoriasis

<https://itunes.apple.com/us/app/my-psoriasis/id397141228>

"My **Psoriasis** is the first free, mobile application designed to help you to track and manage your **psoriasis** on the go. The application allows you to learn about **psoriasis**, set reminders to use your medication and even to track your progress over time."

Type: Resource, [Psoriasis and Web 2.0](#) / [Mobile Applications](#) **Language:** English

Psoriasis 360

<http://www.youtube.com/user/Psoriasis360?ob=5#p/u>

Professional J2EE Development

Kilgray

We are doing professional J2EE development for Kilgray Translation Technologies. Kilgray is one of the most innovative companies in Hungary. Started in 2004 by three Hungarian language technologists, the company quickly evolved into a multinational, transatlantic company and became one of the most important players of the translating market in the world. Kilgray appeared on the Deloitte Technology Fast 50 in Central Europe list for 2012.

Their MemoQ software is the world's most advanced translating environment with multiple functions integrated in it through a standard Web Service API, thus supporting the memoQ users' work directly through the well-known interface.

To achieve the most efficient results and user experience, Precognox and Kilgray cooperates in an agile flexible, Scrum based software development methodology in J2EE. The architecture Precognox is building around the Kilgray application is designed to be scalable by

triggering new servers to share workload if necessary, thus enabling the cooperation of multiple and multipliable components. This solution secures fluent progression, dynamically reacting to load - practically within hours. We can't share more details about the development for business reasons.

About Kilgray: Kilgray is the world's fastest growing translation technology vendor. It has six offices in five countries - Hungary, the United States, Germany, France and Poland - and its staff has the best track record in the industry. Kilgray's staff brings decades of experience from the design and marketing of other translation tools such as Lionbridge Freeway™, Idiom Worldserver™, SDL Trados™, or SDL Passolo™. Kilgray's development team is headed by renowned Microsoft professionals who have also authored several books on Microsoft technology.

For more on Kilgray, visit: <http://kilgray.com/>

About Precognox

Precognox is a researcher and developer of intelligent, linguistic-based search, text mining and big data solutions.

We started to work for NIH (National Institutes of Health, USA) at the end of 2001 by developing ToxSeek toxicological and other search engines, as well as miscellaneous language tools. Based on our experiences we founded our company in order to serve our increasing number of Hungarian and international customers at a higher standard.

We've been breathing search technologies for more than 10 years now. Continuous improvement is a priority in order to provide the

most efficient services for our partners and to search and apply the most up-to-date techniques.

Precognox HQ and our main office is located in Kaposvar, a lovely city in Western-Hungary. The company has got an office in the capital, Budapest, too. Our system architects and Hadoop specialists under the guidance of our CTO represents the company in the heart of the country. Our presence in Budapest is vitally important, as we can take part in the sparkling tech life of the city - we are avid meetup- and conference goers, even we run the NLP (Natural Language Processing) meetup.



Endre Jofoldi– CEO



Karoly Kasa - CTO, Development

For a complete list of our customers see: <http://precognox.com/customers>

Contact us at: <http://www.precognox.com>

Or at twitter: <http://twitter.com/precognox>