EGOR POBLAGUEV
FULL STACK DEVELOPER

Email   resume@egor.org
GitHub   https://github.com/epoblaguev
Portfolio   https://egor.org/projects

TECHNICAL SKILLS

Languages: Python, C#, Java, Typescript, Javascript, HTML, CSS, Bash
Technologies: Angular, JQuery, SQL Databases, Pipeline Pilot, Sinequa, Linguamatics I2E
Operating Systems: Windows, Linux, Mac OSX

EXPERIENCE

BCForward (Transferred from Alpha Consulting - January 2017)   *New Brunswick, NJ*
Lead Developer - Consultant   *Sept 2016 – Present*
Angular, Python, C#, Java, Oracle SQL, Pipeline Pilot, Sinequa, I2E, Scibite

- Supporting and enhancing development, test, and production environments for *Sinequa* application.
- Oversaw multiple major upgrades to the *Sinequa* application (version 9 to 10 and version 10 to 11).
- Optimized rendering speed of Client's custom *Sinequa* UI, lowering page rendering times **by 75%, from 6s to 1.5s**.
- As Scibite Technical Lead, successfully delivered *Medsights* – a project that used *Scibite* and custom post-processing scripts to normalize scientific terms in Client's documents. These normalization documents were then ingested by downstream *Medsights* processes.
- As Sinequa Technical Lead, successfully delivered the *Medical Information Online* project – an online service which utilized *Sinequa* as the backend to allow healthcare providers to search for information about Client's drugs.
- As Sinequa Technical Lead, successfully migrated Client's Sinequa infrastructure from on-premises servers to AWS.
- Used *Pipeline Pilot* and *Cortellis APIs* to develop a pipeline for retrieving, aggregating, and outputting data about Clinical Trials that were of interest to the Client.
- Developed tools for gathering metrics about *Sinequa's* usage and performance.
- Managing Client's *Linguamatics I2E* server.
- Training and supervising junior team members.

QPharma   *Morristown, NJ*
Software Developer   *April 2016 – Sept 2016*
Python, C#, SSIS, Oracle SQL, SalesForce

- Automated and optimized process for receiving sample acknowledgement faxes. After new process was put in place, clients no longer received busy tone when sending faxes to QPharma during peak times.
- Designed and implemented a standardized procedure for processing KOL (Key Opinion Leader) information and loading it into internal database.
- Converted old ETL workflows from C# applications to SSIS packages.
- Provided production support to existing ETL process.

Randstad   *Hopewell, NJ*
Programmer Analyst - Consultant   *Mar 2012 – Mar 2016*
Python, Java, Javascript, JQuery, Bash, VB.NET, VBA, D3, C#, Linguamatics I2E, Pipeline Pilot, Oracle SQL

- **Sinequa Migration**
  - Contributed technical expertise to migration efforts from Client's in-house Scientific Search to vendor purchased Sinequa application.
  - Used knowledge gained working on Scientific Search project to evaluate new application's ability to meet user and technical requirements.
  - Identified and implemented required functionality absent from the vendor application.

- o Determined requirements for deploying *Sinequa* application into production environment.
- o Supervised and guided new developers, as well as assisted Business Analysts with capturing technical details.
- **Scientific Search**
  - o Contributed technical expertise to design and development of Client's in-house scientifically aware search engine.
  - o Automated process of building deployment packages for Development, Test, and Production environments.
  - o Designed and implemented process for checking if the latest version of a document was already present in the index, eliminating the need to re-index it and greatly reducing incremental indexing times.
  - o Designed and implemented process for automatically removing documents from Microsoft FAST collection after they have been removed from SharePoint.
  - o Developed *AutomationMQ* application, used by the Scientific Search team to send predefined commands over RabbitMQ and execute them on a remote server. This allows the Scientific Search team to manage server-side applications without assistance from the server team, and without implementing remote management functionality for each individual application.
  - o Supervised other developers.
- **Linguamatics I2E and SIPA Workflow Tools**
  - o Provided technical expertise to SIPA (Scientific Information and Patent Analysis) team in the form of managing Natural Language Processing software and server, and developed applications to automate and optimize Analyst workflow.
  - o Managed Linguamatics I2E application and hosting server.
  - o Automated and optimized indexing of PubMed and PubMed Central sources.
  - o Automated weekly downloading and publishing of pre-built indexes provided by Linguamatics.
  - o Contributed to the analysis and then implemented of automation tools that improved the throughput of patent and literature analysis by **more than 50%**, allowing SIPA team to support more requests with fewer people.
  - o Developed *Patent Indexer* application which automatically downloads, sanitizes, indexes, and makes available for querying a list of patents provided by the user.
  - o Co-developed *Smart Query* application, providing a simple but powerful interface for running I2E queries.
  - o Developed macros for dynamically highlighting hit-terms and embedding molecular structures in patent documents, increasing their value for Patent Analysts and Chemists.
  - o Developed a *Competitive Intelligence dashboard* in Pipeline Pilot for tracking and visualizing drug developments in Thomson Reuters Cortellis Drugs API.
  - o Developed application for querying the Thomson Reuters Cortellis Drugs API and visualizing the data by development phase and common drug properties.
  - o Migrated *Current Awareness* news alerts application, relied on by hundreds of users, from unsupported Verity system to Microsoft FAST.

Student Health Services, Stony Brook University　　　　　　　　　　　　　*Stony Brook, NY*
Programmer / Support Technician　　　　　　　　　　　　　　　　　*Sept 2007 – Dec 2011*
VB.NET, VBA, MS SQL Server 2005, MS Visual Studio, MS Visio
- Developed a database application for tracking qualifications of medical staff, which is vital for the Student Health Services to continue legally providing medical services.
- Developed an application for storing and searching information about private practices associated with the University Counseling Center.
- Developed a computerized asset management system to keep track of computers and store detailed information about their software, hardware, and deployment statuses.
- Provided software and hardware technical support in Student Health Services, and their affiliated

departments several at University campuses.
- Provided training to new Computer Technicians and Programmers.

AWARDS   Multiple Spot Awards for Outstanding Performance
                    IAS Data Shark Award, Dec 2012, Jun 2012

INVITED   **Enhancing Out-of-the-Box I2E**, Linguamatics Text Mining Summit, Oct 2012 (https://goo.gl/TEiMWm)
PRESENTATIONS

EDUCATION   MBA with concentration in Information System Management and Finance, **Stony Brook University**
                    Bachelor of Science in Computer Science, **Stony Brook University**