Igor Kozlov

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summary of skills

Languages
Programming—Go, Java, JavaScript, C/C++, C#, Haskell, Scheme
Scripting—Bash, Perl, PHP
Markup—HTML5, CSS3, LaTeX, JSON, XML, XSL

Database Development
PostgreSQL, SQL Server, MySQL, Oracle

Networking
TCP/IP, UDP, ICMP, ARP, DHCP, DNS, IGMP

Other
- Linux, Windows Server, IIS, Apache, Git, SVN, ArcGIS, IDRISI TerrSet
- Strong interpersonal skills developed through team projects at BCIT, SFU and co-op work
- Fluent in English and Russian, basic Spanish

education

Bachelor of Science, Computing Science Major   Sep 2012 – May 2017
Simon Fraser University, Burnaby BC

Diploma, Computer Systems Technology (Database option)   Jan 2008 – Dec 2011
British Columbia Institute of Technology, Burnaby BC

technical experience

Web and Database Developer   Aug 2014 – Sep 2015
Environment Canada, Vancouver BC

- Worked on development of mass mailing system and subscription service for public weather alerts
- Developed Perl scripts to ETL large volumes of heterogeneous data into PostgreSQL database using various data sources, such as CSV, XML, spreadsheets, and plain text
- Coordinated Perl/SQL back-end with colleagues'front-end work in PHP/SQL
- Designed and deployed PostgreSQL schema changes along with documentation, and SQL deployment scripts
- Created and implemented Java and PHP automation scripts for weather alert system using Twitter oAuth/REST API and Selenium IDE
- Built admin and analytics interface collaboratively for mailing system using PHP, JQuery, and PostgreSQL
- Wrote Bash scripts to facilitate server and project needs for daily maintenance
- Optimized and improved mailing system with multithreading to allow for parallel processing and improved speed
- Participated in bi-weekly teleconference meetings with management to collaborate and update on the project progress

project experience

User Interface Design, SFU
Jan – Apr 2017

- Participated in a term-long team project to design an interactive medium-fidelity prototype for a web-based language learning system with a social component
- Applied user-centered system design techniques to conduct usability testing, identify requirements, and evaluate the usability of the UI

Streamlined Grading System,
Jan – Apr 2014

Software Engineering I, SFU

- Participated in a group project to develop a grading system in Java that allows managing accounts, courses, and activities, and grading students' submissions
- Developed CRUD methods in Java using sqljdbc to handle data in the SQL Server while adhering to MVC standards using Eclipse IDE
- Led the team during planning, design and testing phases of SDLC by actively participating, organizing, and giving directions to the team members
- Resolved numerous SVN issues, organized directory structure for deliverable submissions, set naming conventions for coding

Intro to Internet Software Development, BCIT
Jan – Apr 2012

- Developed a PHP web-app based on CodeIgniter framework
- Implemented the functionality of XML, DTD, XSL, XSLT, DOM, XPath, XSD, AJAX, XML-RPC
- Set up virtual Apache and MySQL server using XAMPP

KiNET Antibody Microarray Project,
Apr – May 2011

Kinexus BioInformatics Corporation, Vancouver BC
Computer Projects Practicum 2, BCIT

- Designed and built SQL Server database according to client's specs in a group of 5 members using UML data modeling, ERD and Agile methods
- Developed a complex SSIS solution for ETL from various data sources (4000 scan reports, Excel reports) into RDBMS format using C#)
- Worked collaboratively with the front-end developers to display Antibody Microarray information over the web via ASP.NET with the help of LINQ

CyberIntel Project,
Jan – Apr 2011

CyberIntel, Vancouver BC
Computer Projects Practicum 1, BCIT

- Participated in a team project to remodel the existing SQL Server and implement a CMS to allow the client manage accounts, images, and content
- Implemented and customized several DotNetNuke modules such as Feedback and Login to suit client's needs using C# and VisiualStudio