

Igor Kozlov

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github.com/dsmftw
dsmftw.github.io

Computing Science Graduate with applied industry experience in wide range of projects. Strong collaboration and teamwork skills as evidenced throughout team projects and co-op work. Keen interest in databases, networking, and Linux. Diligent, accountable, versatile. Fluent in English and Russian, with basic Spanish.

technical 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

Additional

Linux, LAMP, Windows Server, IIS, .NET, Git, SVN, ArcGIS, IDRISI TerrSet

education

Bachelor of Science, Computing Science Major

Simon Fraser University, Burnaby BC

Sep. 2012 – May 2017

Diploma, Computer Systems Technology (Database option)

British Columbia Institute of Technology, Burnaby BC

Jan. 2008 – Dec. 2011

experience

Web and Database Developer – Extended Co-op

Environment Canada, Vancouver BC

Aug. 2014 – Sep. 2015

- 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, spreadsheet, and plain text
- Coordinated Perl/SQL back-end with colleagues' front-end work in PHP/SQL
- Designed, tested, deployed, and documented PostgreSQL schema changes and SQL deployment scripts
- Created and implemented Java and PHP automation scripts for the 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's 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,

Software Engineering I, SFU

Jan. – Apr. 2014

- 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,

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

Apr. – May 2011

- 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,

CyberIntel, Vancouver BC
Computer Projects Practicum 1, BCIT

Jan. – Apr. 2011

- 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 VisualStudio