RESUME OF KENNETH IP

Kenneth Ip

1068 West 27th Avenue, Vancouver, BC V6H 2B6 Cell: 604.657.6068

kenip72@live.ca www.kennethip.com

Professional web programmer specializes in database and web application development and design.

EXPERTISE

PHP (Laravel, Codelgniter, WordPress, Joomla!, Drupal, SugarCRM, Dolibarr, ZenCart), Perl, JavaScript + jQuery, HTML and CSS, Bootstrap, Java (Traccar, Fess/ElasticSearch, OpenSearch Server), Web APIs and OAuth 2

Visual C++, Visual Basic, Visual FoxPro, Delphi, SQL, PL/SQL, C, Oracle Form Developer and Smalltalk. MySQL, PostgreSQL, Oracle, DB2, Pervasive SQL, FoxPro and Paradox.

PROFESSIONAL EXPERIENCE

Freelance Programmer (Part Time Contract)

Jun. 2001 to Present

- Paradigm Dynamics Inc., Burnaby BC:
 - Develop web applications for construction and junk disposal companies with PHP 7 / Laravel 6 (Eloquent) on GoDaddy shared hosting
 - Developed data mining, statistical analysis, inventory control and distributed database applications in PHP5. (2003)
 - Developed MS Windows application involved sensitive data which is used by the Thetis Program (formerly Surrey Family Preservation) to access children and foster family data (2001).

Consultant

J-Link Transportation, Richmond BC

Sep. 2018 to Present

- Develop PHP ERP/CRM modules on Dolibarr platform, integrate CRM with Face Recognition time card, Traccar & Asterisk, Maintain and administer Windows and CentOS and other servers (LAMP, Windows, FreeNAS, LDAP, DNS, and FreePBX)
- Responsibilities: programming web applications, maintain servers' integrity, security and backup routines

Programmer

Columbia InfoTech Inc., Richmond BC

Jul. 2017 to Present

- Design and develop school search web application in PHP7(CodeIgniter), Bootstrap, JQuery and MySQL. Main app features includes course planning/scheduling, user authentication with OAuth 2; integration with Google, Facebook, Flickr and MapQuest APIs, report generation.
- Maintain Zimbra, OwnCloud and Fess (ElasticSearch) servers for clients.
- Responsibilities: programming, system administration and support, online help, documentation, user interface design, database design and maintenance, debugging, LAMP & MAMP server setup/configuration, web site planning and administration, web scraping with Python/Beautiful Soap.

Web Developer

Boats Group, Vancouver BC

Apr. 2015 to Jun. 2017

- Performed M&S duties and agile development with JIRA and Confluence
- Developed brokerage websites with PHP5, WordPress, HTML5, CSS3, LESS, Javascript/jQuery and Bootstrap
- Maintained PHP and Javascript repositories with Git/GitHub
- Deployed brokerage client web sites with Cloudbees (Jenkins) and composer
- Maintained AWS web servers (LAMP) with cPanel/WHM and Bash scripts
- Troubleshooted REST search /inventory API (api.boats.com/docs) usages on brokerage client web sites
- Sample brokerage web sites: <u>boatsgroup.com</u>, <u>bateswharf.co.uk</u>, <u>intrinsicyacht.com</u>, <u>www.knot10.com</u>, clarkeandcarter.co.uk, ribsmarine.co.uk.
- Open Source Packages: WordPress, WPScan, WP-CLI, Vagrant, composer, phpunit

Programmer

Columbia InfoTech Inc., Richmond BC

Jul. 2012 to Apr. 2015

- Designed and developed client and internal web applications in PHP5, HTML5, CSS3, JQuery and MySQL.
- Created and managed company web site content in Drupal 7 & 8; configured site menus, users, blocks, views
 and page settings; configured fields and installed modules; created and modified subtheme with custom template
 files, optimized codes with hooks and Drupal APIs, created caching rules for performance.
- Responsibilities: programming, online help, documentation, user interface design, database design and maintenance, debugging, LAMP & MAMP server setup/configuration, web site planning and administration, SSL and domain management, 3D scanning with MatterPort.

Programmer

Galt Western Personnel, Vancouver BC

Jul. 2004 to Jul. 2012

- Designed and developed job search and e-commerce web applications in PHP4/5, HTML, CSS JavaScript, MySQL and PostgreSQL.
- Version control of source codes, configuration files and documents with Subversion
- CRM migration, customization and data management (TeleMagic and SugarCRM)
- Web and mobile project management (Teams include 2 3 junior and foreign programmers)
- Responsibilities: user interface design, database design and migration, system integration, mail and web server upgrade and configuration (LAMP stack), website planning and administration, SSL setup, ISO audit report, desktop and application support.
- Summary of Projects: web portals, intranet job and resume index-based search engines, web support ticket systems, CRM, vacation planner, information dashboard, online staff training, shopping carts
- Open Source Packages: WordPress, Joomla!, ZenTrack, ZenCart, SugarCRM, swish-e, OpenSearch Server.
- Web site: <u>www.tpd.com</u>

Freelance Programmer (Part Time Contract)

Jun. 2003 to Jun. 2004

- **fisii.com, Abbotsford BC**: Designed and developed web applications in PHP, HTML, CSS, JavaScript and MySQL for funeral industry. The project includes online memorial/obituary management, condolences, gallery and partner administration.
- **Pixilink360.com, Vancouver BC**: Developed web based dynamic product listings and image manipulation with PHP, HTML, CSS and MySQL.
- Responsibilities: user interface design, database design, programming, problem solving, online help, documentation, data migration, functional testing open source package integration, debugging, web server configuration, user access and security control, web site planning and administration.
- Technologies: Java, OLE, COM, Delphi, FoxPro, Visual Basic and SQL Server.
- Open source packages: Geeklogs and Gallery.

Project Developer

Servient Solutions, Richmond BC

Jun. 2002 to May 2003

- Project: EMS was an event scheduler/student registration application designed for teaching institutes and community centers, and it includes features such as plan generator, user configurable calendars and reports in Acrobat formats. Lead developer in a team of 5.
- Designed and developed web application. Maintained an Oracle Forms version of the web-based EMS, mainly
 for internal uses. Maintained Oracle stored procedures and triggers. Analyzed and designed online marketing and
 statistical analysis modules. Migrated data between Oracle, MySQL and PostgreSQL.
- Technologies: COM, Oracle Forms, PHP, HTML, CSS, JavaScript, ADOdb, Smarty, Acrobat, MySQL, PostgreSQL and Oracle.

Freelance Programmer (Part Time Contract)

Jan. 2001 to Jun. 2002

- **Splendour Innovation Inc., Burnaby BC**: Designed, developed e-commerce website with PERL, HTML and CSS. Maintained MySQL databases
- Technologies: OLE, COM, Delphi, FoxPro, Apache, Perl, HTML, CSS, Miva Merchant and MySQL.

Software Developer

Quartech Systems Inc., Burnaby BC

Aug. 2000 to Dec. 2000

 Developed optometric application in MS Windows platform, an integrated workflow and client contact management system with inventory control, MS Office integration, web browsing, and tax management

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- Performed setup authoring, version control and source integration. Duties include database migration, client configuration and technical documentation.
- Technologies: Visual C++ 6.0, SourceOffsite, Btrieve, InterSystems Cache and MuTek BugTrapper

Software Developer The Loewen Group Inc., Burnaby BC Jul. 1998 to Aug. 2000

- Developed financial decision systems. Performed maintenance, documentation, bug tracking, version control with MKS, database management in DB2 with SQL, and testing of Windows distributed applications.
- Fine-tune DB2 stored procedures and triggers. Tested SQL statement in Crystal Report 4 and 5, and integrated reports into Delphi, Visual C++ and Smalltalk applications.
- Performed round-trip and reverse engineering of Smalltalk and Delphi financial systems.
- Maintained systems documentation and prepared class diagrams and technical specifications for OO applications.
- Performed functional and unit testing on Delphi/Crystal Report projects.
- Designed and performed Y2K test on Smalltalk application.
- Created test plans and test cases documentations.
- Worked as a final level technical support.
- Technologies: Delphi, VisualAge for Smalltalk, Visual C++, Crystal Reports and FoxPro.

Database Programmer The Loewen Group Inc., Burnaby BC Jul. 1998 to Aug. 2000

- Developed and maintained data processing systems. Performed address validation, letter carrier presort with FoxPro and SQL. Migrated data from various formats and platforms into FoxPro database. Prepared data for high-speed printers.
- Technologies: FoxPro, SQL

EDUCATION AND TRAINING

Oracle Internet Application Developer (Oracle Form Developer) 6i

Sun Certified Programmer Java 2 Platform

Microsoft Certified Professional (Windows 2000 Server)

British Columbia Institute of Technology

Computer System Technology Diploma (Client-Server option)

Queen Mary College, University of London, United Kingdom.

B.Sc. in Biochemistry

REFERENCES

Available on request