

Kenneth Ip

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

EXPERTISE

PHP (Laravel, CodeIgniter, 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: boatsgroup.com, bateswharf.co.uk, intrinsicyacht.com, www.knot10.com, clarkeandcarter.co.uk, ribsmarine.co.uk.
- Open Source Packages: WordPress, WPScan, WP-CLI, Vagrant, composer, phunit

- 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