ERIC MACDOUGALL

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SENIOR SOFTWARE DEVELOPER

- **Dynamic leader of software development teams** offering 17 years of experience managing multimillion-dollar, time sensitive projects.

- **Skilled in all phases of the software development lifecycle;** expert in translating business requirements into technical solutions; and fanatical about quality, usability, security and scalability.

- **Skilled in marketing and design;** graphic and print design to affiliate marketing and SEO

- **Skilled System Administration;** server installation, security, networking, PCI Compliance, VPS platforms and High Availability clusters.

PROFESSIONAL EXPERIENCE

SOFTCORP SOFTWARE LTD. (2008 to Present) — Victoria, BC
Owner. Duties included hiring/management, sales/marketing, software development, SEO, Social Media Marketing, and Graphic Design

SLPM SELF CARE. (2008 to Present) — Victoria, BC
Pharmacy Management Software, Client Management Software, Social Networking Sites, and Point of Sale

FIVE HT. (2007-2008) — Victoria, BC
Developed Pizza Ordering Software and General Webmaster Work.

REFRACTIONS. (2007) — Victoria, BC
GIS Software Development.

NORTH STUDIO. (2006-2007) — Victoria, BC
Property Management Software Development, team lead and web developer.

SEANCO. (2005-2006) — Victoria, BC
PHP, ColdFusion, Flash Software Developer.

Accomplishments:

- Worked on projects for University Canada West, The United Nations and Apple. These projects ranged from online software, security software and some work on microprocessor integration and robotic limbs

- Lead developer of a large scale property management software.

- Developer of GIS software for Refractions Research where I worked on projects for Zonar Systems, Google Maps, and Ministry of Forests.

- Individually built an all-encompassing online point of sale software. Developed the software from the ground up and drove all phases of enterprise integration and process improvement to successful completion.

- Development of POS systems for multiple kinds of businesses

- CRM software development. Received SR&ED grants for caching technologies.

Making systems do IT for you.

EXPERTISE

Object Oriented Programming

Master Level JavaScript Development Experience

UI & UX Responsive Design

Full Stack Application Development

Database Optimization & Management

RDBMS & NoSQL

GIS Software Development

Marketing

Enterprise Implementations

Software Development Lifecycle (SDLC)

Release Management

Project Management

Offshore Development Operations

Team Building & Leadership

Graphic/Print/Web Designer

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PROJECT RESULTS

Served as project manager, lead developer and/or team member on dozens of application development projects. Delivered technology solutions that…

- Equipped sales force with Web-accessible sales/CRM tools (which I developed) that helped elevate assets under management by 37% from 2012 to 2013.
- Received $50,000 in SR&ED grants for multi-level abstracted caching technology.
- Automated marketing processes and streamlined customer interaction in 3 pharmacies and a clinic.
- Provided a worry-free, fail-safe, high availability production environment with automated backups.

PROJECT TYPES

Web

- Dozens of responsive Wordpress sites
- Complex user-defined logic tree management
- Several Wordpress plugins including ecommerce and API integration
- Mapping/tracking software
- CRM Software
- Email clients
- POS Software
- Greeting card design and ordering software
- Online turn based games
- School management software
- Scheduling software
- Online appointment booking software
- Property management software
- Medical ERM software
- Flash animations and software
- Dozens of large enterprise web-based applications

Desktop Software

- Pharmacy software
- Database/API synchronization services
- RFID/Card reader integration
- Web to Desktop communication through NAT
- Screen capture/broadcast software
- Full-scale desktop applications w/ deployment and update management services

Marketing

- SEO: Several 1-5 SERP for target keywords
- Email:
  - Automated drip campaigns
  - mass sending (1M/day)
  - IP reputation management
  - Bounce management
  - FBL integration
- Facebook campaigns
- Follower growth campaigns (Twitter and Facebook)

Design

- Graphics: Logos, Vectors
- Web: Themes, Layouts, Applications
- Print: Business cards, brochures, rack cards, stationary

System Administration

- Server acquisition and installation
- Backup automation
- High Availability and Clustering

TECHNOLOGY SUMMARY

* Bold denotes more experience

Web Development

- **PHP**
- **HTML/HTML5**
- **CSS**
- **JavaScript/Jquery**
- Python
- Cold Fusion
- Java
- Perl
- Action Script
- Ruby

Queues

- **AMQP/Rabbit via PHP and C# including cluster configuration**

Big Data

- Hadoop
- Hive

GIS

- **Google maps API**
- OpenLayers
- PostGIS

Methodologies/Frameworks

- **OOP**
- **MVC**
- **DRY & SRP**
- **Agile**
- **Test Driven Development**
- **Visual Studio**

Networking

- **DNS Server management**
- **Remote deployment**
- Router/switch/wifi installation
- RADIUS/Captive portal creation

ORM/ODM

- **PHP Doctrine with MongoDB as ODM**
- **Custom ORM/ODM Development**
- ADO.NET/MSSQL

Desktop Development

- **C#/.NET as WPF/Service**
- Java
- Visual Basic

App Development

- Android Development
- IOS Development (Mostly hybrid)
- Push Notification Server

Version Control

- **Git – Including configuring stash server and hooks**
- **SVN – Including server installation and hooks**

Other

- **Wordpress, including plugin development**
- **Robomail**
- **ESP Management/ IP reputation management**
- **ESP APIs: Amazon SES, Mandrill, Mailjet, Sendgrid**
- Python based NLP

System Administration/Hardware

- **Server acquisition and installation in datacenter environment**
- **Clustering, HA and backup automation**
- **Linux**
- **Cisco ASA/Firewall config**
- **Proxmox**
- VPN Setup (IPSec/AnyConnect)
- Windows IIS

Database / Big Data

- **MySQL**
- **MSSQL**
- **NoSQL:**
  - **MongoDB**
  - **Cassandra**
  - Hadoop