**Craig Pestell – Software Engineer**

Professional software developer since 1998. I can be reached at

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* 415.513.7188

**Highlights**

* Software developer with 20 years experience.
* Web applications programmer (HTML, CSS, Javascript, Node.js)
* Linux and open-source software administration and customization
* BCIT Computer Systems Technology graduate (Data Communications option)
* Extensive database development experience (MySQL, Oracle, SQL Server)

**Software Expertise**

Extensive web development experience using HTML5, CSS3, Javascript, Node.js, PHP, Python, MySQL

* Javascript UI development (Node.js, Vue.js, React, Angular, Bootstrap, Foundation, Jasmine, Gulp, Yeoman, Webpack, Babel, etc)
* e-commerce systems
* content management systems, Wordpress, Drupal
* Database design and management
* web services
* Node.js performance tuning
* CSS design
* Linux administration

## Programming Languages

Javascript, Typescript, Python

## Web Technologies

Fully versed in HTML, Javascript, CSS, Node.js, build tools

Front-end frameworks: React, Angular, Vue.js

## Database Management Systems

Extensive database development experience with MySQL, MS SQL Server, Oracle and mainframe import / export (flat-file)

**Career Experience**

Developing software for corporate clients since 1998

## 2022 Sr. UI Developer - Google

Coordinating the design and development of a web application to provide silicon chip design teams the ability to manage chip specifications, including ongoing change management, similar to a code version control system.

**Technologies used**: Angular, Typescript, RxJs, SASS/CSS, plus many Google-centric tools

## 2020 - 2021 Sr. UI Developer - Williams Sonoma

Architecting a micro-frontend ecosystem to transition e-commerce website pages from a monolithic code-base, to facilitate reusable components, built with Vue.js. Developing Vue.js components to port existing features and create new features for an e-commerce website.

**Technologies used**: Node.js, Vue.js, NPM, HTML5, CSS3, Jest, Yeoman, Tailwind, SASS

## 2015 - 2020 Sr. UI Developer - Macys.com

Working within a LEAN environment our team is designing the future architecture of Macys.com. My work involves designing a componentized, loosely coupled, scalable isometric architecture, creating tools to streamline developer onboarding and website development.

**Technologies used**: Node.js, React, Backbone.js, Webpack, HTML5, CSS3, Foundation, Jasmine, Gulp, Grunt, Yeoman, SASS/SCSS, Adobe Analytics, Tealium

## 2016 - 2019 Full Stack Developer - Kali Protectives

As the sole developer working for Kali Protectives, I designed, developed and deployed a brand new catalog website to showcase Kali’s product line. Using the latest tools, including ESNext Javascript, Webpack/Babel, Node.js with Express and MongoDB I designed a fully responsive website which included a product catalog and blog, administered with a custom CMS.

**Technologies used**: Custom CMS using Node.js/Express, Handlebars templates, TinyMCE, Cloudinary image management, Cloudflare

## 2014 - 2015 UI Developer - Autodesk

Working within an Agile team I analyze business processes to design and build new features for a web portal single-page application to allow Autodesk to sell their software using a SaaS model.

**Technologies used**: jQuery, Backbone.js, Require.js, Bootstrap, Node.js, HTML5, CSS3, Jasmine, Gulp, Grunt, LESS

## 2012 - 2014 Software Engineer - Google

Google Unified Ticketing System- Work with a team to develop and maintain internal ticketing system.

GUTS is a high performance application using several Google technologies that allows over 10,000 requests per second to over 10,000,000 records while maintaining 99.9% uptime.

**Technologies used**: Python, Javascript, Google Closures, Fava Framework, Oracle DB, BMC Remedy

## 2008 – 2016 Web Developer - Race Face Performance Products

Consult, develop and maintain Race Face's public, business and intranet web applications.

Manage email marketing campaigns sending to thousands of recipients

Create online product catalogues for public and distributors

[www.raceface.com](http://www.raceface.com/)

**Technologies used**: PHP, MySQL, Wordpress, JQuery, XHTML, CSS, Javascript

## 2009 Web Developer - Hayes Bicycle Group

Developed [www.manitoumtb.com](http://www.google.com/url?q=http%253A%252F%252Fwww.manitoumtb.com%252F&sa=D&sntz=1&usg=AFQjCNFxkCO_sSOMkXLokvDHXTbSikH6vQ)

**Technologies used**: PHP, XML, Wordpress, XHTML, CSS, Javascript

## 2008 - 2010 Web Developer - iWasteNot Systems

Web development for an environmental recycling web portal, used by private and local governments to reduce waste, save costs, and generate alternative energy.

[www.iwastenotsystems.com](http://www.iwastenotsystems.com)

**Technologies used**: PHP, XML, XHTML, CSS, Javascript, SOAP

## 2006 – 2013 Web Developer - TIC / The Cooperators

Create and maintain several intranet applications and public websites as well as web services written with PHP, MySQL, XML, XHTML, and other web technologies

[www.travelinsurance.ca](http://www.google.com/url?q=http://www.travelinsurance.ca/&sa=D&sntz=1&usg=AFQjCNHu-r5-XCOI9J6HdVle7tLCm9evEA)[www.cooperatorstravelinsurance.ca](http://www.google.com/url?q=http%253A%252F%252Fwww.cooperatorstravelinsurance.ca%252F&sa=D&sntz=1&usg=AFQjCNGAsTjbz2h-EJ4lKNDP7ZMULT97Mg)

**Technologies used**: PHP, SOAP, XML, MySQL, Javascript

## 2005 – 2006 Software Consultant / Developer - Engine Digital

Provided consulting and development services to Engine Digital, allowing them to take on projects otherwise outside the scope of their business

Developed PHP and MySQL Content Management System for life insurance industry

## 2002 – 2004 Software Consultant / Developer - CoreSolutions Software

Designed and developed, using HTML/CSS/Javascript, PHP and MySQL, a web based education administration and student information system for the Durham District School Board

## 2000 – 2002 Software Developer - UVMedia

Primarily using PHP and MySQL, designed and developed a wide range of web based software solutions

Developed reusable software components for rapid application development

## 2000 Software Consultant / Developer - Canada Reconnect

Designed a custom software solution which streamlined a telephone service reseller's customer files, accounting and call centre data

Installed and administered a local area network to accommoda

te a call centre staff of 40 people using the application

## 1998 – 2000 Software Developer - Ucora Corporation

Participated in the design and development of medium sized database applications for a wide range of corporate clients

Performed complete analysis of software requirements before development due to all projects at Ucora being fixed cost

**Education**

Formally educated on internet infrastructure technology

## 2004 – 2006 British Columbia Institute of Technology

Computer Systems Technology Diploma Program Graduate - Data Communications Option

* advanced Unix and Win32 systems programming using C and C++
* Berkeley and Winsock TCP/IP socket programming
* streaming multimedia communications
* network administration and security
* linux firewalls and intrusion detection systems

## 1999 British Columbia Institute of Technology

Programming Concepts and Methodologies

* Object Oriented Analysis & Design
* Entity Relationship, State Transition and flowchart diagrams