**Craig Millard**

349 Esplanade ⚫ Altona, VIC 3018 ⚫ Phone: (04) 9080 9447 ⚫ [craig@patcraigmillard.com](mailto:craig@patcraigmillard.com)

**Software Developer and Consultant**

* Consulting professional with eight years of development experience with ten years total in the IT field. Specialises in Line of Business applications, especially in the context of budgetary/financial systems for government agencies.
* Project leader and manager capable of managing multiple projects concurrently. Able to meet deadlines given tight schedules and limited/changing resources.
* Expert in full software lifecycle. Capable of educating clients on best practices and solutions that satisfy their business needs.

**Skills**

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| * Proposal writing * Requirements gathering * Estimates * Project management * Client advisement and education | * Business analysis * Software development * Product/software selection * Contract management * Risk analysis |

**Professional Experience**

**Wostmann & Associates - Juneau, AK** – Government Consulting Firm

**Senior Consultant,** June 2013 to May 2017

Completed multiple projects under budget and ahead of schedule. Led development efforts for both new and legacy systems across multiple technology stacks.   
  
***Selected Accomplishments:***

* Technical lead and developer for Alaska’s Worker’s Compensation system written in ASP.NET. Developed batch letter mailing application that generated thousands of letters based on electronic Injury Reports. Documented general risks of system architecture and provided mitigating solutions.
* Project Manager and Lead Developer for Sealaska Heritage Mobile Applications. Developed iOS/Android mobile applications in Xamarin. Applications are published on both iOS and GooglePlay stores as “Learning Tlingit” and “Tlingit Games”.
* Reverse engineered (Flex/Java) development environment from production system for a state agency. Provided documentation for the environment setup as well as deployment procedures and best practices with source control.
* Developed WPF (.NET) budgetary system for the Alaska Department of Fish & Game with functionality replacing four legacy applications. Developed new business processes to support all divisions within the department (legacy systems were used differently by different divisions).
* Produced requirements documentation for Alaska Department of Fish & Game for a fisheries data collection application (Xamarin/AWS based web portal). Created use cases for enhancements to the application in addition to documenting reporting requirements.
* Developed ETL processes for the Alaska Department of Environmental Conservation. Data flows were published into a node based reporting system under a grant from the U.S. Department of Environmental Protection. Integrated address validation into existing permitting system.
* Developed ETL to transfer mainframe data to a distributed application for Alaska’s Division of Finance. Produced technical documentation including flat file interface specifications. Created automatic table loading process allowing external departments to submit .csv files for upload into Alaska’s ERP system (CGI/AMS Advantage).

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**Resource Data INC. - Juneau, AK** – *Government and Oil & Gas Consulting Firm*

**Analyst/Programmer,** April 2012 to May 2013

Developed software solutions in multiple technology stacks. Provided strategic planning for the State of Alaska.  
  
***Selected Accomplishments:***

* Met with state departments and discussed how the replacement of mainframe accounting systems would affect agencies throughout implementation of a new ERP system. Documented current interfaces with mainframe system as well as potential conversion efforts.
* Developed/tested ASP.NET Web Forms for user creation and data submission. Developed automated login from generated e-mails.
* Microsoft Dynamics (CRM) Development. Developed auto-generated e-mails in addition to fixing bugs for the custom case management system.
* Implemented DotNetNuke CMS after website restructure. Normalized multitude of CSS into fewer style sheets and DNN templates.
* Performed SharePoint migration and developing PowerPivot workbooks to satisfy user reporting requirements. Trained staff on usage of new SharePoint site which included automated work flows.
* Provided analysis on reporting requirements for data warehouse (BI/Oracle). Identified and distilled requirements based upon ERP configuration. Reviewed legacy reports to provide initial data models.

**Arctic region supercomputing center - Fairbanks, AK** – *High Powered Computing facility for academic and Department of Defense use*

**Research Projects Assistant -** February 2011 to February 2012

Assisted HPC specialists on specific grants and projects. Provided hardware maintenance on supercomputing nodes.   
  
***Selected Accomplishments:***

* Created two prototype iOS/Android applications which suggested relevant media based upon user location. Applications were pre-loaded with content and designed to work in areas without 3G access.
* Completed Proof-Of-Concept Android application under grant from the National Science Foundation with Principal Investigator Dr. Gregory Newby. The project included mobile device integration with [www.frontierscientists.com](http://www.frontierscientists.com). The application provided access to location-based media in areas without 3G access (pre-loaded and location triggered content).
* Implemented local version of WordPress to model PHP based webservices consumed by the mobile application listed above.
* Developed mobile friendly prototype website for the centre.
* Participated in Cray User Group (CUG) conference coordinating presentation scheduling and A/V support.
* Built high availability cluster and provided hardware support on PACMAN supercomputer.
* Aided HPC users in visualisation and computer labs.
* Participated in giving tours of the centre to the public.

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**ADULT LEARNING PROGRAMS OF ALASKA - Fairbanks, AK** – *Non-profit dedicated to providing job retraining, GED testing, and skills assistance.*

**Computer Information Specialist -** August 2010 to February 2012

Performed network and Active Directory administration in addition to consulting and development on company website and custom CRM (Microsoft Dynamics) implementation.   
  
***Selected Accomplishments:***

* Developed proposal for mobile learning labs for deployment to rural Alaska.
* Designed and built company network.
* Implemented content management system so users could update own content.
* Maintained multiple databases of financial information.
* Maintained billing systems including Microsoft Dynamics CRM System.

**University of alaska fairbanks - Fairbanks, AK** – *Provider of technical labs and resources to UAF students and faculty.*

**Computer Lab Consultant -** June 2007 to December 2007

Performed hardware and software support and development to computer lab users.   
  
***Selected Accomplishments:***

* Set up live video feeds for campus activities including Chancellor’s speech and current events.
* Provided user technical support, hardware/software.
* Developed modules/scripts to update Lab’s intranet and information.

**Personal Projects**

**JPD crime notifications**

<http://patcraigmillard.com/alpha-version-of-juneau-police-bulletins/>

* Proof of concept android application featuring location based alerts and searches using Juneau Police Department data.
* Currently in discussions with JPD’s public safety manager to create a reliable data feed for a full implementation.

**Jpd index**

<http://jpdindex.com/>

* Solr search engine, including fuzzy text search, for daily police bulletins release for Juneau, AK.

**Education**

**University of Alaska Fairbanks**

**Bachelor of Business Administration, Class of 2012**

* Major: Finance

**Project list (including full technology stacks) available on request**