



Experience	MinionTech Full Stack Contractor	2008.04 –
	Physicians Data Collaborative DevOps Programmer / Systems Analyst	2014.10 –
	Collaboratively designed and deployed a privacy-critical, multi-vendor, analytic network servicing 75 doctors and 375,000 patients. Virtualized, automated and hardened the production and development stacks, recovering all data and minimizing downtime in actual disaster recovery. Extended MapReduce API and introduced query templates.	
	<ul style="list-style-type: none">> Built cloud and clinic-based solutions representing 35% of BC primary-care market> Reduced the cost of endpoint hardware 60% and distribution 80%> Cut MapReduce query authoring time 90% and database calls 75%	
	BC Ministry of Social Development and Social Innovation Technical Analyst / Technical Lead (via Quartech Systems Ltd.)	2013.09 – 2014.10
	Liaison and lead for SDSI (client); development and support for QSL (consultancy).	
Education	<ul style="list-style-type: none">> Took over behind schedule Windows 7 refresh, completed early and under budget> Discovered and reported a significant record-leaking flaw in a multi-ministry system	
	Mitochondrion Group Webmaster / Systems Analyst	2014.02 – 2014.10 2011.04 – 2011.07
	Devised and implemented all infrastructure for a start-up medical advertising agency.	
	<ul style="list-style-type: none">> Incl.: ownCloud, Ghost CMS, RedHat OpenShift, Google Analytics and Google Apps	
	BC Ministry of Children and Family Development Packager (via TP Systems)	2008.09 – 2009.08
	Application remediation, packaging and user acceptance testing for BC Vista refresh.	
<ul style="list-style-type: none">> Saved \$400,000 by producing 24 packages internally as compared to outsourcing		
MacLaren McCann Technical Support Specialist	2001.08 – 2008.04	
Led migration and rollout teams as part of multi-agency infrastructure consolidation, saving millions of dollars. Ensured technical compliance and accountability as per Sarbanes-Oxley legislation. Restored \$15,000 in equipment and trained over 500 people.		
University of Victoria Bachelor of Science in Mathematics and Computer Science	2013	
University of British Columbia Award of Achievement in Digital Analytics	2014	
Axelos; IT Infrastructure Library Foundation v3 (ITIL)	2014	
W3Schools; HTML5, JavaScript and CSS3 Certified Developer	2014	
Google; Google Analytics Individual Qualification (GAIQ)	2013	
Canadian Red Cross; Standard First Aid with CPR / AED Level C	2013	



Projects	Physicians Data Collaborative; Server Stack, Endpoints and Queries	2015
	> github.com/pdcbbc	
	Physicians Data Collaborative; Docker Containers	2015
	> hub.docker.com/r/pdcbbc	
	Personal; Docker OSCAR EMR Container	2015
	> hub.docker.com/r/derekroberts	
	United at UVic; Website Project Lead	2015
	> unitedccm.com	
	Large and Co.; Website Setup and Administration	2014
	> largeandco.com	
	BC Ministry, SDSI; Windows 7 Refresh	2014
	Mitochondrion Group; Website and ownCloud Server	2014
	Mitochondrion Group; Technical Infrastructure Setup	2011
	BC Ministry, CFD; Windows Vista Refresh	2009
	MacLaren McCann; IT Consolidation, Interpublic Group Ad Agencies	2008
	MacLaren McCann; Onboarding and Training Initiatives	2008
Languages & Concepts	<ul style="list-style-type: none">> MapReduce querying; JavaScript, C, Java, Python and HTML5 w/ CSS, jQuery and AJAX> MATLAB, GNU Octave and R/S+; correlation, statistical analysis and analytics> MongoDB (NoSQL) and PostgreSQL databases; procedures, functions and designs> Autonomic computing, UI/UX, system development life cycles, personas and design> Collaborative programming and version control on GitHub and OpenShift	
Platforms & Admin	<ul style="list-style-type: none">> Docker containerization; Vagrant, VirtualBox, VMware, Parallels and KVM virtualization> Bash Shell, Make, VB Script and Batch; Cron and administrative scripting> Microsoft Windows, OS X and Linux (Ubuntu, Fedora and CentOS); Android and iOS> Red Hat OpenShift Platform as a Service (PaaS, cloud), domains, DNS and hosting> Google analytics, management/business culture, reports, optimization and marketing	