Derik Ng

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Experience

Independent Technology Consultant | Oct 2016 - Present
2017 - **Solutions Architect** for a **Canadian Crown Corporation and Leading Public Services Agency**
- Architected and developed two applications, a data-warehousing app and front-end single page application to manage the contractors, invoices and proposals of land projects.
- System currently being used in affordable housing projects with budgets totaling over $7M CAD.

2017 - **Technical Lead** for a **Local Vancouver Restaurant**
- Designed and led the implementation of an end-to-end POS system for a restaurant launching in 2018.
- Delivered an iOS system that processed web, mobile and offline ordering and analytics for customers and menu items.

2016 - **Project Manager** for a **Vancouver Public Services Agency**
- Led the implementation of a Customer Relational Management (CRM) system to streamline business enquiries, donation receipting, and contact management.
- Wrote, proposed and received two public funding grants to cover 80% of the project costs

Manager of Technology at **Burnaby Association for Community Inclusion** | Jan 2015 - Jan 2017
Managed the Technology Team at one of the leading Disability Services Agency in Canada, providing user-tailored consulting services to enable individuals with developmental disabilities achieve greater quality of life.
- Responsible for the successful implementation, support and development of all business applications (ERP, LMS, HRIS, CRM, etc) for a workforce of over 300 people and an operating budget of $22M CAD.
- Led the feasibility review, digital transformation and transfer of all legacy servers, databases and applications to cloud services resulting in a 40% reduction in operating costs.

Python Research Developer at **Simon Fraser University** | Jan 2012 - Dec 2014
Worked with labs, professors and research fellows to design and create software architectures to efficiently parse, house and analyze research data.
- Assisted in the development of an austronesian morphology linguistic dictionary of over 30,000 unique words using NumPy and NLTK.
- Created a software framework to automate the retrieval and semantic analysis of over 300 research papers on informed consent of genomic information.

Education

Simon Fraser University - BA Computational Linguistics, Class of 2013

Languages and Tools: JS (MERN Stack, React Native & Redux), Python 2 (NLTK, NumPY, Django) Wordpress, HTML, CSS, Webpack, Gulp, Git, jQuery.