

Christopher Pang

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WORK EXPERIENCE

Senior Data Engineer | Validere Technologies May 2021 – Present

- Automating real-time client data ingestion within a data lake processing platform for oil and gas quality at a Series B start-up
- Improved delivery of digital twin predictive ML solutions by deploying model versioning and recalibration infrastructure
- Introduced Airflow 2.0 to organization for improved oversight of replication pipelines supporting OmniSci data warehouse

Co-Founder | Leafi Home Sep 2019 – Apr 2021

- Embarked on an entrepreneurial leap, leading product, software, and data efforts at a smart home hardware start-up
- Launched IoT cloud and mobile platform on AWS and recruited 1K+ prospects supporting entry into UBC venture incubator

Senior Software Engineer | Philips North America Sep 2015 – Aug 2019

- Led analytics and UI design as engineering hire #3 at healthcare start-up Blue Willow Systems, acquired by Philips in 2018
- Architected company's 1st analytics pipeline for processing over 20M wearable IoT beacons daily using Redshift and Kinesis, unlocking development path for pivotal features including visualizations of social and care interactions
- Designed and built 1st production iOS, Android and web applications, co-inventing patented features including real-time perimeter tracking and alerting escalations that enabled B2B launch to revenue customers in under a year
- Promoted to Principal Engineer at Blue Willow Systems in September 2017, led two teams at Philips post-acquisition

Analytics Application Developer | Bayleaf Software Nov 2012 – Apr 2014

- Spearheaded development for a .NET self-service analytics system to compute estimations for Fisheries and Oceans Canada
- Devised batch processing service for executing R statistical scripts, increasing client's data aggregation output by 10x

Business Intelligence Developer | Creation Technologies Apr 2007 – Oct 2012

- Developed and maintained ETL pipelines and dashboard applications enabling historical spend and contract pricing analysis for over \$100M electronics portfolio extracted from Oracle ERP systems using Microsoft SSIS
- Hired as Sourcing Analyst, promoted to Commodity Manager in July 2009, transitioned to BI Developer in April 2011

EDUCATION

Master of Management, Operations Research, University of British Columbia May 2016

Bachelor of Applied Science, Computer Engineering, University of British Columbia Nov 2009

Bachelor of Arts, Economics, University of British Columbia Nov 2009

PATENTS

- US 10741042, Method for tracking and reacting to events in an assisted living facility Aug 2020
- US 10726699, Method for defining access perimeters and handling perimeter breach events Jul 2020

TECHNICAL SKILLS & CERTIFICATIONS

- Data Engineering: Python, SQL, Airflow, Spark, Dask, Kafka, Kinesis, Redshift, Terraform, Docker, CI/CD
- App Development: JavaScript, TypeScript, Angular, Ionic, Node.js, Flask, HTML/CSS
- Certifications: AWS Solutions Architect – Associate, Astronomer Airflow Fundamentals and DAG Authoring

INTERESTS

- Tennis, snowboarding, curling, running, DIY home renovations, user interface design, data visualizations