

# ALAIN J ST PIERRE

Cumberland, BC V0R 1S0

(778) 838-4277

alain@alainstpierre.com

## ***SUMMARY***

28 years of Software Development experience, with significant expertise in backend development and AWS-based systems, particularly within FinTech and GeoSpatial industries. Proven experience as a Senior Software Architect, capable of defining architectural requirements and facilitating efficient data processing. Highly proficient in data architecture, Cloud Technologies (AWS), ETL processes, and data governance.

## ***EXPERIENCE***

### **Sr. Software Architect, Backend, DevOps**

**2015 – 2023**

*Sparkgeo*, BC, Canada

- Designed and deployed scalable, fault-tolerant systems on AWS, ensuring high availability and resilience.
- Defined data ingestion architecture from multiple data sources, ensuring seamless integration and consistency across systems.
- Provided technical guidance in cloud technologies and collaborated closely with developers to implement solutions.
- Oversaw data processing for customer applications, ensuring accuracy and efficiency of daily data ingestion and integration processes.
- Championed the design of ETL workflows for processing customer data and performed data quality checks, ensuring accurate and complete data ingestion.
- Key contributor in the design and development of a real-time ship detection system using AIS and satellite sensors, effectively enhancing global maritime security.
- Successfully revamped Maptiks backend systems, orchestrated cloud migration, and achieved a 75% reduction in infrastructure costs along with a 120x increase in throughput.

### **Sr. Software Engineer, Backend**

**2005 – 2015**

*TD Ameritrade*, NJ, USA

- Collaborated with stakeholders, such as business analysts and data scientists, to understand business requirements and data sources.
- Developed ETL processes and workflows using tools like SQL, Java, and ETL-specific software.
- Defined and maintained business requirements for data-related projects.
- Conducted data quality checks and ensured data accuracy and completeness.
- Troubleshoot and resolve issues with ETL processes and workflows, ensuring the smooth operation of customer-facing applications.

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## President, Founder

2022 – Present

*STA Capital Corp, BC, Canada*

- Specialized in providing tailored capital solutions to real estate investors and developers, addressing unique market demands and investment goals
- Offer financing options tailored to the unique needs of each client
- Dedicated to assisting clients in securing the necessary capital for expanding their real estate portfolios and projects.
- Demonstrated proficiency in handling a variety of real estate asset classes, catering to a broad spectrum of investment strategies.
- Focus on building long-term relationships with clients, providing ongoing support and guidance as their financing needs evolve.

## EDUCATION

Bachelor of Computer Science w/ Distinction (Fac. Engineering)  
*University of Victoria, Victoria, BC*

2002 – 2005

Exempt Market Proficiency Course  
*Investment Funds Institute of Canada, ifse.ca*

2023

AWS Certified Solutions Architect - Associate  
*Amazon Web Services (AWS), aws.certification*

2022

## TECHNICAL SKILLS

**Cloud:** AWS (Lambda, S3, EC2, RDS, Redshift, Glue), ArcGIS

**ETL:** SQL, Java, Python, AWS Glue, Custom ETL apps

**Data Integration & Management:** REST APIs, Data Modeling, Data Governance

**DevOps:** Docker, Terraform, CI/CD, GitHub Actions, CircleCI, GitLab

**Frontend:** React, NextJS, Javascript, Typescript, TailwindCSS