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# ALBERT ZANG

*Keep it simple, code it right!*

## ⚙️ TECHNICAL VOCABULARY

[ **Languages** ] · C/C++ · C# · CSS · Go · Java · JavaScript · Python · Scala · TypeScript · [ **Frameworks** ] · D3.js · GraphQL · gRPC · Next.js · Node.js · Qt · React · REST · Spark · [ **Toolkits** ] · Docker · Git · Kafka · Kubernetes · Linux · Webpack · [ **Databases** ] · Cassandra · MySQL · PostgreSQL · Redis · [ **Methodologies** ] · Agile · Big Data · CI/CD · Data Pipeline · Data Visualization · ETL · Machine Learning · Microservice · Web Application

## 🏢 WORK EXPERIENCE

**Salesforce · Lead Member of Technical Staff** *Promotion* Vancouver, Canada · Feb 2022 - Dec 2023

As a Technical Lead, contributed to collaborative decision-making and problem-solving through participation in cross-team architectural design discussions. Spearheaded the technical design and implementation of the Explain Data service's gRPC API. Addressed escalating on-call backlog by implementing a scheduled incident monitoring dashboard using Splunk, significantly decreased our incident response time. Effectively managed technical challenges by evaluating trade-offs, prioritizing development, making decisions, and resolving problems. Highly valued by peers for mentorship on challenging topics, actively enhancing team capabilities and advancing team members' careers.

**Salesforce · Senior Member of Technical Staff** *Acquisition · Promotion* Vancouver, Canada · Apr 2020 - Jan 2022

As a Scrum Master, I effectively organized team priorities and facilitated meetings, steering the team through major transitions including a management change and the shift to remote work, ensuring seamless operations. Led the design, implementation, and testing of the telemetry project for Explain Data in collaboration with user research and telemetry infrastructure team. This effort resulted in a comprehensive dashboard that tracks feature usage and adoption, providing essential insights for strategic decisions and data-driven improvements. Earned a prestigious role in Tableau's Browser Community of Practice (BCoP) through recognized contributions in the company-wide web development space, serving as Community Organizer and hosting monthly Tableau web development community meetings.

**Tableau · Software Engineer** Vancouver, Canada · May 2018 - Mar 2020

Played a major role in the UI development of the Explain Data feature and became the team's primary contact for UI-related issues. Extended Tableau's module-dev-scripts to bundle UI modules into a static site on GitLab Pages, integrating with our CI/CD pipeline. This pivotal innovation expedited cross-functional feedback, significantly speeding up the development process and fostering seamless innovation across teams. Spearheaded key enhancements to Tableau's Hybrid UI framework, including making the Hybrid Dialog resizable and adding a Hybrid Side Panel, enhancing functionality across feature teams and supporting Tableau's product success.

**Alibaba · Senior Machine Learning Engineer** Shanghai, China · Mar 2017 - Nov 2017

Maintained a high-performance CTR prediction system using Spark, Hive, Kafka, and Redis. Built a feature engineering library to process billions of data records efficiently. Trained prediction models using logistic regression, feature crossing, and factorization machines. Utilized Spark transformations and actions for batch and real-time processing. Led performance optimization efforts through memory tuning, data persistence, and variable broadcasting. Collaborated with data infrastructure teams to successfully integrate the prediction system into the overall data pipeline.

**Fortinet · Web Developer** Burnaby, Canada · May 2013 - Jun 2015

Skilled in developing rich web applications using AngularJS, jQuery, Bootstrap, and Django, demonstrating expertise in full stack web development. Designed and implemented modular components to improve scalability and maintainability of the codebase. Developed dynamic and responsive web forms that accurately mirrored the backend business object model and validated user inputs, enhancing user experience. Developed data visualization widgets using D3.js to effectively communicate complex data insights to end-users. Worked closely with product, design, and development teams to deliver intuitive and feature-rich web applications.

## 🎓 EDUCATION

**Professional Master's Program in Big Data**

**Simon Fraser University** · M.Sc. in Computing Science

*Burnaby, Canada · Sep 2015 - Dec 2016*

**Dual-Degree Program in Computing Science**

**Simon Fraser University** · B.Sc. in Computing Science

*Burnaby, Canada · Sep 2010 - Apr 2013*

**Zhejiang University** · B.Eng. in Computer Science and Technology

*Hangzhou, China · Sep 2008 - Aug 2010*