

Zhong Yu

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Summary

- Java, Javascript, database, network, big data, data streaming
- Architecture and API design, problem solving, team working, client facing

Employments

[Alibaba](#) Technical Expert 2017 - 2018

- Working on Apache Flink's SQL Query Processing module
- Analyzing and enforcing standard-compliance; implemented full support for Decimal type
- Improving TPC benchmarks; invented new transformation rules in the query optimizer

Freelancer 2008 - 2017

- Developing and maintaining websites for multiple clients
- Collecting, analyzing, and presenting business data

[Atypon](#) Senior Software Engineer 2001 - 2008

- Created a workflow system, including language, compiler, engine, and admin interface
- Created various frameworks, e.g. persistence, caching, and clustering
- Responsible for site performance, scalability and availability
- Implementing business features, e.g. identity management, access control, e-commerce
- Integrating with client systems through proprietary and industry standard protocols
- Working with clients to resolve issues, gather requirements, and write specifications

[Fermi Lab](#) Research Assistant 1998 - 2000

- Frameworks and algorithms for real-time collider data streaming and analysis
- Collider magnetic field measurement, analysis, and programming interface

Open Source

- rekex.org - PEG parser generator, grammar as algebraic datatypes
- bayou.io - async HTTP server&client library and utilities
- [subpage](#) - a conventional client-side router for React.

Miscellany

- My [stackoverflow](#) and [github](#) profiles; some of my [articles](#)
- Contributor to [RFC-6455](#) and [RFC-7230](#)

Education

- 2001 - MS in Computer Science - Loyola University Chicago
- 2000 - MS in Physics - Northwestern University
- 1997 - BS in Physics - Beijing University