

# Zhong Yu

Senior Java Software Engineer

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## Summary

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

## Employments

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**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

**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

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

## Miscellany

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- My LinkedIn profile: <https://www.linkedin.com/in/zhong-yu-937ab3202/>
- My [stackoverflow](#) and [github](#) profiles; some [articles](#) and [discussions](#)
- Contributor to [RFC-6455](#) and [RFC-7230](#)

## Education

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