

Younjune Kim

9300 Delk Dr, Covington, GA 30014 | +1 680-210-7969 | yj.david.kim@gmail.com | github.com/david-yj-52

Employment Summary

Absolics Inc.

Feb 2023 ~ Present

Smart Factory/Engineer

TIBCO Software Korea

Dec 2021 ~ Feb 2023

PSG/Associate Consultant

TIBCO Software Korea

Apr 2020 ~ Mar 2021 (Contract worker)

PSG/Associate Consultant

Professional Summary

- **5+ Years of Experience:** Software Engineering & Consulting within the enterprise manufacturing industry
- **Middleware Expert:** Extensive hands-on experience in Solace PubSub+ and TIBCO Rendezvous, EMS for robust system integration and real-time monitoring
- **Migration Specialist:** Proven ability to modernize architectures, including SK C&C Diflow to Solace PubSub+ and TIBCO BW to Spring Boot transitions.
- **Performance Optimization:** Expert in system tuning and developing custom monitoring dashboards for enterprise-level stability

Absolics Inc. (Feb 2023 ~ Present)

Manufacturing Operation System Engineer

Feb 2023 ~ Present

Key Accomplishments:

- **Standardized manufacturing automation** by designing 7 core scenarios tailored to 56 diverse machines, significantly improving operational consistency.
- **Defined 113 comprehensive system interface specifications** to orchestrate complex manufacturing operations seamlessly.
- **Achieved zero system failures** over 6 months (down from 5) by developing and implementing automated scenario test suites to ensure code quality.

Technical Skills:

- TIBCO Business Works 6.x, Spring boot 2.x
 - RDBMS (Oracle)
 - Solace PubSub+
-

Software Solutions Architect

Key Accomplishments:

- **Led the migration of message middleware** from legacy SK C&C Diflow to Solace PubSub+, modernizing the enterprise event-driven architecture.
- **Developed a team-level message monitoring system** that tracks end-to-end data flows by storing and linking interdependent messages for enhanced visibility.
- **Implemented real-time system metric monitoring**, focusing on critical performance indicators such as Solace pending message counts per queue to prevent data bottlenecks.
- **Engineered an automated endpoint detection feature** that identifies message endpoint names, significantly improving developer productivity and system usability.

Technical Skills:

- Spring Cloud (Zuul, API Gateway, Eureka)
- RDBMS (Oracle)
- Solace PubSub+, SK C&C Diflow

TIBCO Software Korea (Dec 2021 ~ Feb 2023)

SK-Hynix

Associate Consultant

Open API Gateway

Project

Dec 2021 ~ Feb 2023

Key Accomplishments:

- **Optimized operation costs** by implementing a message transformation logic that enabled seamless communication between disparate systems with incompatible specifications.
- **Reduced interface complexity** by architecting unified interface standards, streamlining integration points across the enterprise architecture.
- **Enhanced system stability and reliability** by implementing advanced traffic control and load distribution mechanisms to manage high-volume data bursts.

- **Boosted system performance by 5x (from 50ms to 10ms)** by integrating In-Memory Data Grid(IMDG) caching for frequently accessed data.

Technical Skills:

- TIBCO Business Works 6.x, Active Spaces 4.x
- RDBMS (Oracle)

TIBCO Software Korea (Apr 2020 ~ Mar 2021)

SK-Hynix

Associate Consultant

M16 Fab MES

Project

Key Accomplishments:

Apr 2020 ~ Mar 2021
(Contract Worker)

- **Improved event processing reliability** by implementing sequential event control, ensuring data integrity for ordered by business logic.
- **Increased event throughput by 25% (from 800 to 1,000 TPS)** by leveraging CPU affinity to minimize context switching and optimize core utilization.
- **Strengthened system observability** by developing a real-time event processing dashboard, enabling proactive monitoring and rapid incident response.

Technical Skills:

- TIBCO Business Works 6.x, EMS 8.x, Rendezvous (7.x)
- RDBMS (Oracle)
- Influx DB, Grafana

Education

Feb 2013 ~ Feb 2021

Hoseo University

- Major: Business Administration
- 2017 Student leader of the Business Administration
- * Transitioned from business background to software engineering through self-study and hands-on projects in middleware

Awards, Skills & Others

Mar 2022

TCP (TIBCO Certificate Professional) Messaging Certification

Messaging Product: TIBCO EMS, TIBCO FTL, Kafka, Pulsar, Mosquitto
