

KRISTOPHER JUNG

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Summary

Versatile Senior Software Engineer with a strong foundation in building and scaling diverse backend systems. Experienced in designing distributed architectures, optimizing system performance, and streamlining complex data workflows. Adept at improving developer efficiency through automation and tooling, with a proven ability to adapt quickly to new technologies and problem domains.

WORK EXPERIENCE

Capital One

Apr 2025 - Present

Principal Associate Software Engineer

Plano, TX

- Implemented an analytical data pipeline for small business financial exchange and trade-line data with over 1.5B records to support data-driven business decisions, using AWS S3, Step Functions, Glue, Databricks, Snowflake, Python and PySpark.
- Led the design and implementation of real-time and operational access to small business financial exchange data products, automating standardization and governance of features for credit decision machine learning models, which improved model accuracy and efficiency

Criteo

May 2022 - Apr 2025

Senior Software Engineer

Ann Arbor, MI

- Designed, implemented, and maintained highly scalable C# .NET microservices to manage financial settings for advertisement campaigns.
- Built a back-end system leveraging Kafka message consumers and publishers, processing 53,000 rows of advertisement billing data per second with 99.99% system availability.
- Investigated and analyzed billing data using big data tools (Hive, Presto, SQL), mitigating revenue and reputation risks during on-call rotations and ad-hoc support.
- Developed Angular user interfaces for retailers and advertisers, enabling financial operations for managing online advertisement campaigns.
- Monitored system performance and reliability using tools like Grafana, Kibana, and Elasticsearch, optimizing metrics such as p50 and p99.
- Collaborated with cross-functional teams in geographically distributed locations, using Jira, Confluence, and Slack to enhance communication and improve sprint planning efficiency
- Mentored junior and mid-level engineers through knowledge-sharing sessions, pair programming, code reviews, and technical architecture kickoff meetings, leading to improved team performance and code quality

General Motors

Feb 2020 - May 2022

Software Engineer

Detroit, MI

- Refactored a legacy vehicle ordering, pattern, and inventory management system, originally developed in C, C++, and Visual Basic, into modern Java Spring Boot web applications, improving performance and maintainability.
- Developed Angular vehicle ordering and inventory management user interfaces for all North American dealerships and government agencies, enhancing usability and operational efficiency.
- Utilized Azure DevOps tools to manage continuous integration and deployment (CI/CD) pipelines, optimizing deployment controls and streamlining release management processes.
- Participated in code reviews, design meetings, peer mentoring, pair programming, and company-wide hackathons to foster team spirit, build trust, and gain recognition.

SKILLS

- **Programming Languages:** C#, Java, JavaScript, TypeScript, Python, SQL
- **Frameworks and Technologies:** .NET, Spring Boot, Angular, Kafka
- **Other Tools:** Grafana, Kibana, JIRA, Slack, Confluence, Databricks, Snowflake, AWS

EDUCATION

Indiana University

Dec 2019

Bachelor, Computer Science

Certifications

- AWS Certified Developer – Associate