Kristopher Jung

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EDUCATION

Indiana University — Bloomington, IN
Bachelor of Science in Computer Science — *Dec 2019*

EXPERIENCE

Principal Associate Senior Software Engineer — Apr 2025 – Present
Capital One — *Plano, TX*

- Enabled high-quality data access for third-party credit bureaus by developing Java Spring microservices and AWS cloud infrastructure (Step Functions, Glue, Lambda, DynamoDB, S3, PySpark). The system processes 6M+ tradeline and acquisition records monthly, boosting credit-decision accuracy and lowering risk.
- Designed and implemented an AWS (Neptune, DynamoDB, CloudWatch) data governance & observability platform improving data quality/reliability for 200+ workflows and reducing initial incident RCA time by over 30%.
- Led a data-quality initiative to reassess 300+ attributes/features, increasing overall quality 10%+ by detecting and correcting skewed or invalid data using Databricks and Snowflake.

Senior Software Engineer — May 2022 – Apr 2025
Criteo — *Ann Arbor, MI*

- Scaled an ad-campaign budgeting/billing platform to 53k+ events/sec and $1.5B+ in transactions by developing C#/.NET microservices, T-SQL data stores, Kafka pipelines, and Angular/TypeScript front ends for 200+ retailers and 17,000+ advertisers.
- Led the end-to-end credit-card payments integration, unlocking self-serve ad campaigns for small advertisers/retailers and reducing settlement time from 30 days to near-real-time.
- Developed Grafana dashboards and Kibana-based monitoring/alerting that detect transaction anomalies across 200+ retailers and 25,000+ ad campaigns.
- Handled on-call and ad hoc production-incident support, reducing time-to-mitigation and limiting reputational and revenue impact.
- Mentored interns and early-career engineers via knowledge sessions, code reviews, and pair programming, accelerating ramp-up and code quality.

Junior Software Engineer — Feb 2020 – May 2022
General Motors — *Detroit, MI*

- Developed Java Spring microservices, Kafka/Pulsar pipelines, and Angular/TypeScript UIs that power vehicle ordering, inventory, and order-pattern management, covering nearly all dealership order transactions in North America and Mexico.
- Implemented Azure DevOps CI/CD pipelines that automated build, test, and release processes, accelerating delivery and reducing deployment errors.
- Developed a Redis-based rule engine powering vehicle pattern management, improving decision speed and consistency.

TECHNICAL SKILLS

Languages: Java, Python, C#, SQL, TypeScipt, HTML/CSS
Frameworks: Angular, Spring, .NET
Technologies & Platforms: AWS, Databricks, Snowflake, Grafana, Kibana, Github
Developer Tools: JIRA, Git, Docker, VS Code, Visual Studio, Intellij
Practices & Methods: Agile, Scrum, TDD, CI/CD

CERTIFICATIONS

Databricks Certified Data Engineer Associate — Aug 2025

AWS Certified Developer Associate — Jun 2024