Kristopher Jung

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EXPERIENCE

Senior Software Engineer (Principal Associate)
Apr 2025 – Present
Capital One
Plano, TX

- Built and owned Java/Spring backend microservices APIs and GraphQL services powering 6M+ monthly credit tradeline and acquisition records consumed by third-party credit bureaus, improving credit-decision accuracy and reducing risk exposure.
- Led design and implementation of an AWS-based data governance and observability platform, improving reliability across 200+ workflows and reducing initial incident RCA time by 30%+.
- Drove a data-quality initiative reassessing attributes/features, detecting skewed and invalid data and improving overall data quality using Databricks and Snowflake.
- Designed and maintained cloud infrastructure using AWS Step Functions, Glue, Lambda, S3, SQS, Kafka, and DynamoDB, supporting scalable and auditable data pipelines.

Senior Software Engineer (Promoted from Software Engineer II)
May 2022 – Apr 2025
Criteo
Ann Arbor, MI

- Scaled a distributed ad-campaign budgeting and billing platform to 53k+ events/sec and $1.5B+ in transactions, supporting 17,000+ advertisers and 200+ retailers.
- Led end-to-end credit-card payments integration, enabling self-serve ad campaigns for small advertisers and reducing settlement latency from 30 days to near real-time.
- Designed and implemented Kafka-based event pipelines, C#/.NET microservices, and T-SQL data stores for high-throughput financial workflows.
- Designed and implemented Typescript/Angular UI components for a billing and payments management platform, improving usability and workflow efficiency
- Built Grafana dashboards and Kibana alerting to detect transaction anomalies across 25,000+ active campaigns, reducing time-to-mitigation during incidents.
- Participated in on-call rotations and production incident response, minimizing revenue and reputational impact.
- Mentored interns and early-career engineers through code reviews, design discussions, and pair programming.

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

- Developed Java/Spring backend microservices and event-driven pipelines using Kafka and Pulsar to support vehicle ordering and inventory systems across North America and Mexico.
- Built Typescript/Angular UI components enabling pattern management workflows integrated with backend services.
- Implemented CI/CD pipelines using Azure DevOps, automating build, test, and deployment workflows and reducing release errors.
- Built a Redis-backed rule engine for vehicle pattern management, improving decision consistency and system responsiveness.

TECHNICAL SKILLS

Languages: Java, Python, C#, SQL, TypeScript, HTML/CSS
Frameworks: Angular, Spring, .NET, Airflow, Kafka
Technologies & Platforms: AWS, Databricks, Snowflake, Grafana, Kibana, Github
Developer Tools: Git, Docker, VS Code, JetBrains Tools, GitHub Copilot, Windsurf
Practices & Methods: Agile, Scrum, TDD, CI/CD

EDUCATION

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

CERTIFICATIONS

Databricks Certified Data Engineer Associate
Aug 2025

AWS Certified Developer Associate
Jun 2024