Devon Gallagher

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My Key Qualifications

- **5 years building production systems**, one unbroken stretch from August 2021 through today across Kohl's and SPS Commerce.
- Backend services for **checkout and order workflows** at Kohl's, a large-scale retail e-commerce platform, in Java and Spring Boot.
- Cut p95 response time **from 420 ms to 260 ms** on a checkout pricing service via profiling, PostgreSQL query tuning, and Redis caching.
- Kafka order-status consumer processing **1.8 million events per day** at peak with no backlog above 4 minutes.
- Testing and CI/CD: JUnit and Mockito coverage **reduced escaped defects from 7 to 3** per quarterly release, running in Jenkins and GitHub Actions pipelines.
- On-call and incident response at Kohl's, including root-cause analysis that cut **Sev-2 incidents from 5 to 1** between quarters.
- E-commerce and retail background across both roles: order and catalog integrations at **SPS Commerce**, a retail supply chain network.

Experience

Software Engineer — **Kohl's**, US department store and e-commerce retailer

Mar 2023 – Present · 3 yrs 8 mos

- Reworked a checkout pricing service used by web and mobile channels, cutting p95 response time from 420 ms to 260 ms by profiling Java and Spring Boot endpoints, optimizing PostgreSQL queries, and adding Redis caching for frequently requested pricing data.
- Built a Kafka-based order-status event consumer that feeds downstream customer notifications, processing 1.8 million order events per day during peak week with no backlog above 4 minutes, using idempotent handlers and retry logic backed by Datadog dashboards.
- Expanded JUnit and Mockito coverage for tax, discount, and failure-path scenarios in CI, reducing escaped defects in quarterly releases from 7 to 3.
- Improved deployment reliability for order API changes by containerizing service updates with Docker, tightening Jenkins pipeline checks, and adding smoke-test validation before production promotion, lowering the rollback rate from 8% of releases to 3%.
- Led root-cause analysis of a recurring checkout incident tied to session state, tracing application logs and Redis behavior and partnering with QA on regression scenarios; Sev-2 incidents dropped from 5 in one quarter to 1 in the next.
- Design and maintain backend REST APIs for checkout and order workflows, partnering with product managers, QA, and other engineers to break down requirements and deliver features end to end, and participate in on-call rotations, incident response, and postmortems.

Associate Software Engineer — **SPS Commerce**, a cloud retail network and supply chain software company

Aug 2021 – Feb 2023 · 1 yr 6 mos

- Built Spring Boot REST endpoints for supplier order acknowledgments and status updates, replacing spreadsheet-driven updates with validated PostgreSQL-backed workflows and cutting 11 hours per week of manual support handling across 14 retail accounts.
- Improved catalog ingestion throughput by refactoring database writes, tuning SQL queries, and adding RabbitMQ-based asynchronous processing, cutting average batch processing time from 52 minutes to 34 minutes.
- Raised the pre-release defect catch rate from 68% to 81% by building JUnit integration tests and Mockito-based service tests into the Jenkins pipeline for core integration services.
- Supported production issues through log review, debugging, and bug fixes across retailer and supplier order data flows.

Education

- **University of Wisconsin-Madison** — Bachelor of Science in Computer Sciences · 2017 – 2021

Skills

- **Backend & Languages:** Java, Spring Boot, RESTful API Development, Distributed Systems
- **Data & Messaging:** PostgreSQL, SQL, Redis, Kafka, RabbitMQ
- **DevOps & Testing:** Docker, AWS, Git, Jenkins, GitHub Actions, JUnit, Mockito, Datadog