

James Johnes

Senior Software Engineer | Backend Systems, Integrations & Technical Leadership

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Professional Summary

Senior software engineer with 8 years of increasing technical responsibility, including 7+ years in software development and experience leading teams of up to six engineers. Co-architected integration and data-processing systems spanning 10+ third-party platforms and more than 100,000 records per day. Strongest in TypeScript/Node.js, backend architecture, API integrations, AWS, SQL, and translating complex operational workflows into reliable, maintainable software.

Technical Skills

Languages: TypeScript, Go, Python, SQL, Bash

Backend & Integration: Node.js, REST APIs, Microservices, Third-Party Integrations, Data Pipelines, iPaaS Architecture

Frontend: React, Next.js, HTML, CSS

Databases: PostgreSQL, MySQL, Prisma ORM, Relational Data Modeling, Query Optimization

Cloud & DevOps: AWS ECS, EC2, SQS, SES, Secrets Manager, Certificate Manager, CloudWatch, Linux, CI/CD, Jenkins, Bitbucket Pipelines

Tools & Practices: Git, System Design, Agile/Scrum, Technical Leadership, LLM-Assisted Development

Professional Experience

All Point Retail | Sarasota, FL

Promoted three times over eight years, progressing from technical support and client implementations into senior engineering and technical leadership.

Engineering Team Lead | January 2025 – December 2025

- Led an engineering team of up to six developers responsible for building and maintaining retail integrations, backend services, and business-critical operational software.
- Mentored junior and mid-level engineers and established development practices that improved code quality, consistency, and maintainability.
- Worked with technical and business stakeholders to translate complex retail workflows and client requirements into practical software solutions.
- Owned technical direction and delivery for client integrations and backend services, including architecture, code review, blocker resolution, prioritization, and production troubleshooting.

Senior Software Engineer | July 2021 – December 2024

- Co-architected an integration platform built around reusable connectors and microservices, allowing integrations to scale beyond one-off client implementations.

- Designed and built a reusable connector framework supporting more than 10 production integrations, including Shopify, QuickBooks Desktop and Online, Teamwork Commerce, MarketAgility, i3, and custom enterprise systems.
- Architected and maintained high-volume data-processing systems handling more than 100,000 records daily, with datasets exceeding one million records per document type.
- Established shared components, standardized integration patterns, and reusable infrastructure that reduced duplication across client implementations.
- Diagnosed and resolved complex production issues involving third-party APIs, data synchronization, database performance, and distributed business workflows.

Software Engineer | August 2018 – June 2021

- Built integrations with third-party APIs and services, establishing foundational patterns that later supported the company's broader integration platform.
- Designed REST APIs, relational data models, and high-volume data-processing workflows using TypeScript, Node.js, Prisma ORM, and SQL.
- Developed full-stack features for order management, inventory, catalog, ecommerce, CRM, purchasing, fulfillment, and reporting systems used by retail and franchise businesses.
- Contributed to the modernization of legacy applications and the transition from monolithic systems toward service-oriented and microservices-based architecture.
- Collaborated directly with business stakeholders and implementation teams to understand operational workflows and deliver software aligned with real-world user needs.

Support Technician / Implementation Specialist | December 2017 – July 2018

- Worked directly with retail and restaurant clients to diagnose and resolve software, hardware, networking, and system-integration issues.
- Traveled to client locations across the United States to deploy new systems, introduce operational workflows, and support technology rollouts.
- Developed a deep understanding of retail operations and user workflows that later informed the design and implementation of the company's software products.
- Resolved uncommon technical and operational problems by identifying root causes and developing practical client-specific solutions.

Education

Certificate in Computer Programming, University of Phoenix – 2014