

# Nathan Lucas

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## Professional Summary

Technical leader focused on scalable backend systems, cloud-native microservices, and API platforms in high-growth SaaS environments. Architects complex integrations, leads cross-functional initiatives, and mentors high-performing teams. Proven track record in system migrations, performance optimization, and fostering technical excellence and team growth. Builds resilient, production-grade systems. Driven by curiosity, clarity, and impact.

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## Core Skills

- **Languages & Frameworks:** Ruby (Rails), TypeScript (Node.js & React), Python (Django & FastAPI), Java (Spring Boot)
  - **Cloud & Infrastructure:** AWS, Docker, Kubernetes, Terraform, CI/CD pipelines, Kafka, RabbitMQ, Jenkins, Datadog, Databases (MySQL, PostgreSQL & MongoDB)
  - **Data & Operations:** SQL query optimization, Data migrations, Monitoring & alerting, Performance tuning
  - **Practices & Methodologies:** Microservices architecture, RESTful APIs, Code review & mentorship, Agile/Scrum, Test automation, Systems design, Process automation, Platform transitions, Service design
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## Experience

### LinkSquares, Inc. – Boston, MA

**Staff Software Engineer** · July 2023 – January 2025

**Senior Software Engineer** · April 2022 – July 2023

- Orchestrated a multi-phase, multi-team company-wide monolithic Ruby on Rails to microservices migration, improving deployment agility and standardizing technical patterns.
- Transformed deployment cadence to efficient, on-demand ad-hoc microservice deploys (15-30 minutes) from hours-long weekly monolith deployments, drastically reducing time-to-market for new features and critical updates
- Mentored a team of 6 engineers and guided architectural decisions, elevating team delivery and code quality
- Designed and delivered strategic third-party integrations using RabbitMQ (after exploring Kafka), directly boosting customer retention and expansion
- Collaborated with Architecture and DevOps to implement robust JWT standards across all services, enhancing security

## Globalization Partners – Boston, MA

**Senior Software Engineer** · August 2021 – April 2022

- Enhanced system observability, reliability, and automation across critical internal platforms supporting finance, reporting, and engineering workflows using Java (Spring Boot)
- Directed SQL optimization efforts for Postgres databases, reducing critical reporting load times by ~99% and significantly boosting business intelligence responsiveness
- Architected and deployed automated payment reconciliation workflows, eliminating manual errors and saving the finance team 10–15 hours weekly
- Established and enforced standardized development practices, cultivating scalable, maintainable team growth

## Constant Contact – Loveland, CO & Boston, MA

**Associate Software Engineer → Senior Software Engineer** · May 2018 – August 2021

- Co-led a company-wide React frontend architectural transition, significantly improving code consistency and accelerating development velocity across engineering teams
- Developed and maintained scalable Java (Spring Boot) backend APIs supporting core customer features and strategic third-party integrations
- Collaborated cross-functionally with Product and Design to deliver impactful full-stack experiences with measurable user engagement using React and MySQL
- Executed strategic refactoring of legacy systems to reduce technical debt, enhance stability, and streamline onboarding across key components
- Provided active mentorship to junior engineers and codified best practices for team scalability

**Customer Engagement Specialist → Senior VOC Technical Engineer** · August 2015 – May 2018

- Served as a technical liaison between customers, support, and engineering, driving systemic product improvements
- Engineered and automated internal tools that improved support team throughput by 15-20% and reduced reliance on manual workflows
- Collaborated with Engineering to identify recurring issues, automate solutions, and reduce support load across the product portfolio
- Developed scripting solutions for customer data cleanup/transformation, establishing a foundational technical base for engineering transition

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## Additional Background

My formal engineering career began in 2018, building on decades of self-directed programming and several years in technical operations and customer-facing roles. That path shaped my systems-aware mindset and a practical intuition for edge cases, reliability, and supportability.

Progressing from Tier 1 Support to Staff Engineer, I have consistently focused on improving the structure and quality of the systems I work with. Whether through service architecture, developer tooling, or deployment processes, I approach engineering with curiosity, clarity, and pragmatism to help teams scale their code and their practices.