

Engineering Management

Technically-minded professional with substantial experience in software engineering, data-driven architectures, and cloud-native solutions. Proven success in building and scaling high-performing teams. Well-versed in architecting, optimizing, and deploying large-scale distributed systems, enhancing ETL pipelines and entity resolution processes. Skilled in infrastructure optimization, performance tuning, and modern software development to drive scalability, cost efficiency, and operational excellence. Adept at aligning engineering roadmaps with business objectives and fostering collaboration across global teams. Passionate about innovation, automation, and data-driven decision-making to accelerate product development and improve system reliability.

Core Competencies: *Engineering Leadership & Mentorship | Agile & DevOps Best Practices | GraphQL & API Development | Continuous Integration & Delivery (CI/CD) | SDLC Process Improvement | Data Pipeline Architecture*

Professional Experience

Director of Engineering | QL2 Software (Remote)

2024 — Present

Elevate engineering expertise by orchestrating comprehensive training and collaborative working sessions on core systems. Strengthen monitoring and alerting by deploying InfluxDB and Grafana.

- Reduced ingestion costs by 20% by transforming the data ingestion pipeline into cloud-native microservice architecture.
- Enhanced ingestion success by 10% through the creation of advanced ingestion tool.
- Lowered cloud expenses by over 50% by refining cloud infrastructure for greater efficiency.
- Accelerated processing speed by 75% through reengineering multiple aspects of the pipeline.
- Improved storage SAN system resiliency, achieving 45% performance boost and reducing latency by over 50%.
- Built real-time monitoring pipeline with Snowflake and Python, ensuring high data accuracy and quality.

Software Engineering Manager | Tealbook (Remote)

2023 — 2024

Drove the end-to-end development of greenfield data portal, ensuring scalable architecture and seamless implementation. Built high-performance GraphQL API, streamlining access to complex datasets for faster data retrieval.

- Shortened delivery cycles by over 75% through process optimization and enhanced product management strategies.
- Cut cloud costs by 45% by restructuring data ingestion architecture for efficiency and scalability.
- Slashed average delivery time by over 30% by optimizing the SDLC workflow for efficiency and scalability.
- Boosted customer engagement by 60% through the development of enhanced user interface using React.

Senior Software Engineer | SigFig (Remote)

2022 — 2023

Accelerated feature development for cutting-edge finance product by collaborating with small team of engineers. Improved usability by swiftly refining feature sets within small Pods. Managed code reviews, ensuring high-quality standards and maintaining code integrity.

- Transformed the React application into a modular component library, enabling client customization via configs and enhancing user engagement.

Senior Software Engineer | PlayVS (Remote)

2021 — 2022

Standardized UI with custom component library, aligning with product design. Strengthened team expertise by refining GraphQL API design and best practices. Enhanced processes by establishing engineering standards and mentoring teams.

- Maximized loading speed by 45%+ through advanced GraphQL caching strategies.
- Accelerated UI feature delivery by 30% by collaborating with the Design Team to implement company-wide design system.

Enhanced onboarding process by implementing efficient new user flow, optimizing frontend development for smoother user experiences. Collaborated with design teams to innovate and improve user interfaces, ensuring alignment with brand guidelines and user needs. Applied debugging skills to resolve performance issues, consistently maintaining and updating web applications for optimal efficiency and user satisfaction.

- Visualized Flu patterns across the U.S. by implementing interactive D3.js map using collected temperature data.
- Enabled seamless research access by developing a centralized Data Portal for collected data.
- Directed all frontend strategy in collaboration with the VP of Engineering, ensuring optimal technical decisions and execution.

Web Application Developer / Web Developer | Reflex Media Inc. (Remote) / Vegas.com

2017 — 2018

Ensured unified web and mobile experience by spearheading the comprehensive redesign of multiple social platforms, using React and React Native. Optimized release cadence by migrating legacy applications to a modern tech stack.

- Boosted conversion rates by over 40% via deployment of A/B testing tools.
- Enhanced in-app communication by 50% through the implementation of a real-time user chat experience.
- Led the migration of a legacy Java application to a modern architecture by developing a scalable Java API and React-based frontend, enhancing performance, maintainability, and user experience.

Additional Experience

Lead Software Engineer | Nathan James (Remote)

- Enhanced ERP automation and invoicing efficiency by developing a robust API-driven ERP system.
- Optimized warehouse package processing by implementing real-time barcode scanning with camera hardware.

Lead Software Engineer | PriceSpider (Remote)

- Optimized 15+ microservices, enhancing B2C widget performance and data pipeline efficiency.
- Boosted data ingestion rates 30%+ by redesigning microservices for cloud-native scalability.
- Streamlined data mapping across three systems, ensuring accuracy with data stewards.
- Reinforced infrastructure, increasing reliability and reducing incidents by 40%+.
- Deployed system-wide metrics, identifying inefficiencies and driving continuous improvements.

Web Developer Consultant | Virtusa (Remote)

- Delivered real-time, data-intensive application enabling Bond Traders to make informed decisions by architecting and developing high-performance system under contract with Morgan Stanley.

Education

Bachelor of Science in Information Technology & Web Science | Rensselaer Polytechnic Institute, Troy, NY, 2014

Technical Proficiencies

- **Programming Languages:** Python, Java, Golang, PHP, Typescript, JavaScript
- **Frontend Technologies:** Angular, React, React Native, Vue, HTML, CSS
- **Backend Technologies:** Laravel, GraphQL, API Integration, Microservice Architecture, NodeJS
- **Cloud & DevOps:** AWS, GCP, Cloud Infrastructure, Cloud Migration, DevOps
- **Databases & Messaging:** MySQL, PostgreSQL, MongoDB, Snowflake, RabbitMQ, Kafka
- **Monitoring & Logging:** Loki, Grafana, Prometheus, InfluxDB, Telegraf
- **System Architecture:** Distributed Systems, API Design, System Optimization
- **Development Tools:** Git, JSON