

JOSHUA ZONE

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PROFESSIONAL SUMMARY

Principal Architect | Director of Engineering with **10+ years of experience** in software engineering, system architecture, and technical leadership. Proven expertise in **distributed systems, microservices, cloud-native architecture, and API strategy**. Skilled at **leading cross-functional teams, optimizing infrastructure, reducing costs, and improving system resilience**. Passionate about fostering innovation, mentoring teams, and aligning technical strategies with business objectives. Seeking a leadership role to drive engineering excellence and scalable solutions.

CORE EXPERTISE

Engineering Leadership & Mentorship | Cloud-Native Architecture | Distributed Systems | API Strategy & Governance | Microservices | DevOps & CI/CD | System Scalability & Optimization | Agile & Scrum | Real-Time Data Processing | Performance Tuning | GraphQL & API Development | Frontend & Backend Development | Data Engineering & Pipelines | AWS, GCP, Azure | Infrastructure Cost Optimization | Team Growth & Retention

ACHIEVEMENTS

- **Reduced Cloud Costs by 50%** by optimizing infrastructure and migrating to scalable cloud-native solutions.
- **Improved Data Ingestion Efficiency by 20%** through architectural transformation and microservice design.
- **Enhanced System Resilience by 15%**, reducing mean time to recovery (MTTR) and improving monitoring capabilities.
- **Increased Engineering Efficiency by 75%** by reengineering development workflows and implementing best practices.
- **Boosted System Performance by 45%+** via advanced GraphQL caching and optimized database queries.

PROFESSIONAL EXPERIENCE

QL2 Software (Remote) Mar 2024 - Present

Director of Engineering

- Led a global engineering team to architect **high-performance distributed systems**.
- Reduced ingestion costs by 20% through cloud-native microservice re-architecture.
- Implemented **real-time monitoring** with Snowflake & Python, ensuring data accuracy.
- Developed and deployed an **advanced ingestion tool**, improving success rate by 10%.
- Enhanced **incident management processes**, reducing downtime and increasing system reliability.

Tealbook (Remote) Mar 2023 - Mar 2024

Software Engineering Manager

- Spearheaded the development of a **greenfield data portal**, ensuring **scalability and maintainability**.
- Designed a **GraphQL API** for seamless data retrieval, reducing query time by 30%.
- Cut cloud infrastructure costs by 45% through architectural optimizations.
- Accelerated development cycles by 75% by refining Agile workflows.
- Led and mentored a team of engineers, **fostering collaboration and technical excellence**.

SigFig (Remote) Nov 2022 - Mar 2023

Senior Software Engineer

- Enhanced financial product usability by designing **modular React components** for improved customization.
- Increased **feature delivery speed** by 30% through agile sprints and streamlined deployment.

Nathan James (Remote) May 2022 - Nov 2022, Dec 2020 - Nov 2021

Lead Software Engineer

- Developed and delivered an **API-driven ERP system**, automating **invoicing & business operations**.
- Integrated **real-time barcode scanning**, optimizing warehouse management workflows.

PriceSpider (Remote) Jan 2019 - May 2020

Lead Software Engineer

- Led a team managing **15+ microservices**, ensuring performance, reliability, and scalability.
- Migrated data pipelines to a **RabbitMQ-based system**, increasing processing efficiency.
- Directed **AWS cloud migration**, improving infrastructure scalability and cost efficiency.

PlayVS (Remote) Nov 2021 - May 2022

Senior Software Engineer

- Improved client-side **GraphQL caching**, reducing page load times by 45%.
- Developed **company-wide design systems**, ensuring UI/UX consistency across applications.

Softvision (Remote) Sep 2018 - Jan 2019

Frontend Web Developer

- Designed and implemented interactive D3.js data visualizations for flu-tracking applications.

Reflex Media & Vegas.com (Remote) Jun 2017 - Sep 2018

Web Developer

- Led React-based **UI overhauls**, improving user engagement and site performance.
- Implemented **A/B testing**, boosting conversion rates by 40%.

Virtusa Jun 2014 - Oct 2016

Web Developer Consultant

- Built a **real-time trading platform** for Morgan Stanley, specializing in **AngularJS & performance tuning**.

EDUCATION

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

TECHNICAL SKILLS

- **Programming:** Python, Go, Java, PHP, TypeScript, JavaScript
 - **Frontend:** React, Vue, Angular, HTML, CSS
 - **Backend:** GraphQL, Node.js, Laravel, API Development, Microservices
 - **Cloud & DevOps:** AWS, GCP, Kubernetes, Docker, Terraform
 - **Databases & Messaging:** MySQL, PostgreSQL, MongoDB, Snowflake, RabbitMQ, Kafka
 - **Monitoring & Logging:** Loki, Grafana, Prometheus, InfluxDB
 - **Development Tools:** Git, CI/CD, Agile, JSON, Bash
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