

David Kleinschmidt

Senior Staff Software Engineer

Software engineering lead with 25 years' experience implementing high-volume web applications and big data systems, transitioning to a role of technical leadership. Advised a group of four engineering teams comprising 20 full-time engineers.

WORK EXPERIENCE

Senior Staff Software Engineer

October 2022 – Present

Jack Henry & Associates, Monett, MO (Remote)

Facilitated integration of people, processes, and software with the larger organization. Guided big data implementation by core teams.

- Liaised with another team to build a cross-data center pipeline that now handles 500 million financial transactions per month.
- Directed no-downtime migration of a 33 TB database of 20 billion financial transactions on a compressed timeline, communicating status with internal & external stakeholders.

Senior Advisory Software Engineer

April 2013 – October 2022

Jack Henry & Associates, Monett, MO (Remote)

Scaled startup through acquisition to 10x performance. Spearheaded integration efforts.

- Stabilized monolithic Rails application that was causing at least one incident per week.
- Profiled & optimized categorization engine. The optimizations have been running for 10 years, scaling with the business to 10 times the previous throughput with 80% fewer EC2 instances.
- Designed a high-volume, cost-managed data storage & processing pipeline. This has scaled to handle 550 million transactions per month with a sustained throughput of 2,500 writes per second.
- Implemented an integration for over 300 banks, serving as the primary technical point of contact.

Senior Software Engineer

January 2010 – April 2013

Liaison International, Amherst, NY

Developed medical school application review suite used by admissions officers.

- Collaborated on an ETL to consolidate medical school applications for 14 different professional associations into a common database.
- Devised reporting backend enabling users to filter candidates on hundreds of data points.

Software Engineer

March 2008 – January 2010

Subcontractor for New Era Cap, Buffalo, NY (Hybrid)

- Designed a Web-based embroidery customization tool to shorten product time-to-market.
- Produced catalog for national retailers to visualize speculative product designs with different logos and colorways, to gauge market interest before committing to mass production.

Additional Experience

May 1998 – January 2010

An unabridged version of this resume is available on [GitHub](#).

CONTACT

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- github.com/zobar/resume

SKILLS

Architecture:

- Event-driven SOA
- Microservices
- API Design
- Specifications & Documentation

Cloud:

- AWS
- Google Cloud
- Azure

Big Data & Databases:

- DynamoDB
- Spanner
- Cosmos DB
- Kinesis Data Streams
- PostgreSQL
- MySQL
- Redis

Tools & Languages:

- Kubernetes/Docker
- Terraform
- CI/CD
- DataDog
- Spark Streaming
- Scala/Java
- Ruby on Rails
- Python
- Node.js/Javascript

EDUCATION

Rochester Institution of Technology

BS, Computer Science