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# Joshua Tscheschlog

Currently Staff Software Engineer at KBRA, working across product platforms, design systems, and internal tooling.

[www.tsches.dev](http://www.tsches.dev)

## CONTACT

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Location: Toronto, ON • Naples, FL • Philadelphia, PA

## SUMMARY

Staff Software Engineer focused on platform architecture, delivery workflows, and the shared infrastructure product teams rely on. Helped cut KBRA release time from roughly 8 hours of coordination to about 5 minutes by changing how software moved from branch to production.

## Experience

### Staff Software Engineer

Feb 2024 - Present

KBRA

- Led cross-team platform and delivery work across KFI, helping move large parts of the application stack to Docker and Terraform and reducing release friction for multiple product teams.
- Architected reusable screening infrastructure that turned one-off product work into a shared capability later used to speed up the M&A screener.
- Engineered an internal AI workflow CLI that turned shared agent customizations into a governed distribution model with versioned install and update paths across the organization.
- Drive long-term technical strategy for the KFI platform and its supporting systems, serving mission-critical benchmarking and risk analysis for 10,000+ U.S. banks and credit unions.
- Provide technical mentorship and guidance to senior engineers, shaping architectural reviews and senior-level hiring standards across the organization.

## SELECTED IMPACT

Reduced KBRA release times from ~8 hours of coordinated effort to ~5-minute trunk-based deployments by modernizing delivery systems around Docker, Terraform, and trunk-based workflows.

Built and evolved Elasticsearch and nightly ETL infrastructure that now processes 70M+ financial records plus supplementary indexes every 24 hours.

Built a token-based shared foundation that standardized repeated UI decisions across 10+ teams and ~30 projects without forcing a single library migration.

Built and shipped an internal CLI that turned shared AI workflow assets into a governed distribution model with explicit install and update paths across KBRA Technology.

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RESUME | PLATFORM

## Experience (continued)

### Senior Software Engineer

Aug 2018 - Feb 2024

KBRA

- Helped move large parts of the application stack to Docker and Terraform while modernizing the product from Angular and PHP GraphQL toward Next.js and Apollo.
- Re-architected Elasticsearch into a highly available 5+ node cluster and built nightly ETL infrastructure that has grown to process 70M+ records plus supplementary indexes.
- Championed trunk-based development and feature flags, decoupling deployments from releases and cutting release time from ~8 hours to ~5 minutes.

### Lead Frontend Engineer

May 2022 - May 2023

Klezma

- Served as the sole frontend engineer through MVP launch, building the application foundation and delivery-ready frontend architecture for a technically complex product.
- Supported backend platform work by developing NestJS services and assisting with roles, permissions, and smart-contract-adjacent infrastructure.

#### EARLIER BREADTH

- Software Developer / Lead Data Scientist, Assero Services
- Software Developer, Visneta
- Software Engineer, Blu Mediterranean Grill
- Software Engineer, Underground Vape

#### TECH STACK

##### Infrastructure & Tools

Docker, Terraform, EKS (Helm),  
GitHub Actions, CLI Tooling

##### Backend & Data

Node.js, Apollo GraphQL, Elastic-  
search, PostgreSQL, NestJS

##### Frontend & UI

React, Next.js, Tailwind CSS, Design  
Tokens

##### Languages

TypeScript, JavaScript, HTML/CSS,  
GraphQL, Solidity

#### EDUCATION

B.S. in Energy, Business and Finance,  
Penn State (2015)

#### AWARDS

KBRA Hackathon 2019 winner  
NFTHack 2022 winner

#### SOCIALS

LinkedIn: joshtscheschlog  
GitHub: joshtsch