| Kia Farhang.  *Senior engineer in Austin, TX who loves designing and building back-end systems, test-driven development, and mentoring others.* | **kiafarhang.com**  **651.231.6728**  **kfarhang0@gmail.com** |
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| EXPERIENCESenior Software Engineer, GraphQL Platform — *The New York Times*OCT 2022 - PRESENT **Lead architectural voice for the Times’s GraphQL API, which powers mobile apps, the website and other reader-facing experiences through more than 1 billion requests per day.**   * Lead designer, planner and engineer for migration from a Node.js-based federated graph gateway to a Rust + Go-based solution   + Incremental migration of billions of requests from dozens of clients   + Moving from Node.js Apollo Server running in team-owned Kubernetes clusters to Apollo Router (Rust binary with configuration) and a Go microservice deployed on the company’s new shared K8s platform   + Unlocks critical client needs like GraphQL subscriptions and field-level access control   + Projected to save the company $200k per year in cloud compute * Led the team in multiple rounds of observability improvements to our platform, including:   + Creating automated alerting at our CDN layer to catch issues before clients report them   + Creating a single-pane-of-glass dashboard that shows the health of all layers of our stack: the CDN, internal networking layer, federated graph gateway, and the GraphQL microservices that power it   + Democratizing knowledge with client-facing dashboards and documentation, giving external teams the power to answer questions without our help   + Co-wrote the organization’s first standard on trace span metadata, improving the debugging experience for engineers across the company * Authored over 350 commits and reviewed over 450 pull requests across our 7-engineer team’s stack:   + Top contributor to the Node.js gateway, its Rust + Go replacement, and our Terraform repository for observability infrastructure   + Top-3 contributor to our CDN-layer configuration and legacy Scala GraphQL service * Mentored engineers across the experience spectrum:   + Guided our 2023 summer intern through the design and creation of a Node-based platform API test suite, used to validate the new graph gateway and catch issues in automated daily runs   + Onboarded our team’s only early-career engineer, helping him design and write a Go algorithm for reconciling conflicting HTTP headers returned to clients from multiple GraphQL microservices   + Just helped my summer mentee get promoted to a senior role, and I am so proud of them :) * Currently serving an 18-month term on the company’s Architecture Review Board, weighing in on proposals for new systems and significant changes to existing ones  Platform Engineer — *DataStax*FEB 2022 - OCT 2022 **Created, maintained and improved the infrastructure powering Astra, our Cassandra-as-a-service offering.**   * Worked daily on platform infrastructure, which ran on Kubernetes in AWS, GCP and Azure. * Maintained and added features to the Go microservices powering Astra. * Started an initiative to reduce unnecessary spend on stale development images in Elastic Container Registry repos. * Created a disaster-recovery plan for a critical internal database after an incident revealed it had no documentation or clear recovery process. * Helped our observability team implement a new logging stack with Fluent Bit and Vector.  Full-Stack Engineer— *DataStax*FEB 2021 - FEB 2022 **Full-stack work on the team behind Astra UI, the front door to Astra (Cassandra-as-a-service).**   * Built new features in the React application and its backing GraphQL server. * Drastically improved reliability and observability in the Node.js GraphQL application with tools like HTTP retries, standardized logging and improved error handling for better user experience. * Created a Node.js gRPC client for Stargate, the open-source data gateway used and developed at DataStax. * Introduced Sonar code coverage and quality gates to the UI codebase to improve delivered product and reduce bugs shipped to production. * Led a successful effort to increase codebase test coverage from 15% to 45% over three months. * Added integration and end-to-end tests to our application pipelines with the Cypress testing framework. * Identified and squashed cross-cutting bugs in back-end Go microservices.  Software Engineer — *USAA*MAY 2018 - FEB 2021 **Full-stack development in the bank’s deposits division.**   * Designed, built and tested React/Redux applications, Java REST APIs and Java batch processes. * Led and developed projects around debit/credit card activation, account origination and account closure that serve thousands of USAA members daily. * Part of a tiger team tasked with designing, prototyping and standardizing the future state of the deposits technology portfolio. * Spent extensive time on call and in high-pressure outage scenarios during a rotation on the area's maintenance and production support team. * Brought my development team to 100% predictability/feature delivery in the first three months I served as team lead. (No missed deadlines/milestones)  Full-Stack Developer — *San Antonio Express-News*JUNE 2017 - APRIL 2018  * Used React to build a library of reusable components to present the newspaper’s best content. * Designed, created and tested Node.js APIs to serve data to front-facing apps and the public. * Wrote Node.js web scrapers and other tools to automate and simplify newsroom tasks. | SKILLS  * Java * TypeScript * Go * Kubernetes (CKAD) * React * GraphQL * Node.js * Test-driven development * REST API development  PORTFOLIO Find my work at **kiafarhang.com** or **github.com/KiaFarhang** |

# EDUCATION

## University of Minnesota, Twin Cities — *B.A., Journalism*

### 2012 - 2014