Drew Johnson

https://www.drewj.dev

DrewJohnsonGT@gmail.com

404-825-2866

EDUCATION

- **Georgia Institute of Technology** — Atlanta, GA
  Bachelor of Science in Computer Science — *Aug 2013 – Aug 2017*

EXPERIENCE

- **The Home Depot** — Atlanta, GA
  Senior Software Engineer — *May 2020 – Present*
  - **Full Stack TypeScript**: Developed suite of React frontends and Node/Express/TypeORM layered microservice APIs in TypeScript. Adhered to TypeScript best practices to maximize cross resource models and code sharing.
  - **Test Driven Development**: Focused heavily on TDD principles, leveraging various tools for E2E, integration, and unit testing. Integrated testing with CI/CD processes including augmented coverage reporting.
  - **Cloud Architecture and SRE**: Created and managed CI/CD pipelines and infrastructure for all applications both on-premise and cloud based. Engineered for high latency consumption by B2B/B2C consumers.

- **Delta Air Lines** — Atlanta, GA
  Senior Software Engineer — *Sep 2019 – May 2020*
  - **Cloud Architecture and Development**: Guided development architecture of Delta's first AWS cloud migration project, implementing real-time data streaming from on-premise sources following serverless and cloud native models.
  - **Data Ingestion and Streaming**: Developed on-premise and counterpart cloud applications/functions for real-time, multi-source customer data ingestion, standardization, and consolidation around centralized IDs.
  - **Data Engineering**: Produced new and updating existing data mappings and flows for data sources and implemented distributed database solutions accounting for scalable fault/exception tolerance.
  - **BDD and Functional Testing**: Automated internal unit and integration testing practices, increasing test coverage by over 75%, saving hundreds of monthly hours manual testing.

- **Meridian Business Services** — Overland Park, KS
  Lead Software Engineer — *Oct 2017 – Sep 2019*
  - **Development Lead**: Lead development efforts supporting company's 2-year 500% growth, establishing and maintaining core engineering best practices while delivering effective and efficient code.
  - **Web Solutions**: Architected and developed ERP/CRM customizations for over 50 clients including extensive third-party integrations/API development, backend workflow automations, and full-stack web-app development
  - **CI/CD and Testing**: Designed and developed custom CI/CD platform for custom ERP/CRM scripts, enabling development best practice adherence and increasing effective code delivery throughput 200%.

- **Schenck Process** — Kansas City, MO
  Lead Software Engineer (Side Contract) — *Oct 2018 – Apr 2019*
  - **Full-Stack App Design/Development**: Architected, developed, and implemented engineering product specification/sizing tool, saving hundreds of monthly engineer hours and preventing company liability issues.
  - **Frontend Configurator**: React/Redux configurator adhering to the NFPA 68 standard. Performing complex mathematical operations derived from Mathcad worksheets and displaying solutions in real time.

- **Federal Aviation Administration** — Hampton, GA
  Software Engineer (Side Contract) — *Mar 2018 – Dec 2018*
  - **Serverless Application**: Designed/developed scheduling PWA for use by over 100 Atlanta based FAA employees. React/Redux frontend and Node Lambda backend with GraphQL API including role based access control.
  - **Database Solution**: Automated manual process of identifying facility landline emergency call location to aid in dispatch of 911 services. Reduced telephone specialist operator effort by dozens of hours a month.

- **DSI Global** — Kansas City, MO
  Software Developer (Side Contract) — *Dec 2017 – Dec 2018*
  - **React/Redux Implementation**: Proposed and lead implementation of React with Redux in new production applications and refactoring of older products from plain HTML with monolithic CSS.
  - **Backend REST API**: Refactored RESTful API utilizing customized SQL queries resulting in 250% reduction in client request time and requiring half the original client requests.

SKILLS

Languages: JavaScript, TypeScript, HTML/CSS, Python, Scala, Java, SQL, GraphQL
Frameworks/Tools: React, Node, AWS, GCP, Gatsby/Next, Cypress, Spark, Hadoop, Kafka