Drew Johnson

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EDUCATION

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

EXPERIENCE

- **Delta Air Lines** — Atlanta, GA
  Software Engineer — *Sep 2019 – Present*
  - **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.

- **Schenck Process** — Kansas City, MO
  Lead Software Engineer (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.
  - **Backend Control Systems**: Node backend REST API hosted on an IIS on-premise providing engineering leads the ability to update UI help messages and product specification details per bi-yearly standard updates.

- **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%.

- **Federal Aviation Administration** — Hampton, GA
  Software Engineer (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 (Contract) — *Dec 2017 – Dec 2018*
  - **React/Redux Implementation**: Proposed and lead implementation of ReactJS with Redux in new production applications as well as refactoring of older products from plain HTML with monolithic CSS.
  - **Backend REST API**: Developed custom RESTful API to facilitate application suite's interaction with client data. The API endpoints internally queried backend databases with SQL.

PROJECTS

- **NetSuite Login Chrome Extension**: Chrome extension to facilitate provisioning and use of shared NetSuite accounts with real-time login management and access control. Utilized by engineering team with around 20 active users.
- **Project FORM**: React Native application utilizing pose estimation/detection models to provide automated exercise feedback designed for injury prevention. Both offline and cloud data processing.

LANGUAGES AND TECHNOLOGIES

Languages: JavaScript, Python, Scala, Java, SQL, GraphQL
Technologies: React, Node, AWS, Spark, Hadoop, Kafka