

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 cloud migration project, implementing real-time 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 updated existing data mappings and flows for 3 data sources and implemented solutions accounting for 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:** ReactJS/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:** NodeJS backend 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.
 - **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 room scheduling tool for use by over 100 Atlanta based FAA employees. ReactJS/Redux frontend PWA leveraging cloud APIs 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.
 - **CI/CD Testing:** Built custom deployment process with automated testing, alleviating 90% of QE manual testing.

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.
- **Jefferey:** Multiple integrated hardware systems, including video/sensor input, with a WebRTC based controller.

LANGUAGES AND TECHNOLOGIES

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