

## EDUCATION

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

## EXPERIENCE

- **Delta Air Lines** Atlanta, GA  
*Senior 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.

## SKILLS

**Languages:** JavaScript, Python, Scala, Java, SQL, GraphQL  
**Frameworks/Tools:** AWS, Node, React, Angular, Spark, Hadoop, Kafka