

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.
- **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.
- **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 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