
EXPERIENCE

Team Lead and Senior Software Engineer

Feb 2021 – Present

*JupiterOne**Raleigh, NC (Remote)*

- **Project Leadership and System Design:** Led both technical and non-technical aspects of a team of up to 8 engineers, translating ambiguous requirements into scalable system designs and actionable implementation plans.
- **Full Stack:** Led SaaS development to support 1000% company growth, using React single-SPA microfrontends and serverless AWS patterns. Engineered Node.js microservices and event-driven architectures for key features across insights/data visualization, alerting, graph operations, and identity and access management.
- **Big Data Engineering:** Led the design and implementation of a high-throughput (25B records/hour) ETL system using Spark/Scala/Databricks, which consolidates CDC stream graph data from various ingestion sources.
- **AI/LLM:** Spearheaded the integration of AI and LLMs into the JupiterOne platform, leading the development of a utility that transforms natural language queries into a custom DSL, increasing user engagement by over 400%.

Senior Software Engineer

May 2020 – Feb 2021

*The Home Depot**Atlanta, GA*

- **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.
- **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.

Senior Software Engineer

Sep 2019 – May 2020

*Delta Air Lines**Atlanta, GA*

- **Cloud Architecture:** Guided development architecture of Delta's first AWS cloud project, implementing real-time, high throughput 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.

Lead Software Engineer (Side contract)

Oct 2018 – Present

*Schenck Process**Kansas City, MO*

- **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.
- **Maintainable Code:** Strategically evolved and maintained a robust codebase over 6+ years, driving the transition from MVP to advanced iterations in response to evolving feature requirements and technology upgrades.

Lead Software Engineer

Oct 2017 – Sep 2019

*Meridian Business Services**Overland Park, KS*

- **Development Lead:** Led 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.

Software Engineer (Side contract)

Mar 2017 – Dec 2018

*Federal Aviation Administration**Hampton, GA*

- **Serverless Application:** Designed/developed room 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.

EDUCATION

Georgia Institute of Technology

Atlanta, GA

*Bachelor of Science in Computer Science**Aug. 2013 – May 2017*

TECHNICAL SKILLS

Languages: TypeScript/JavaScript, Python, Scala, Java, GraphQL, HTML/CSS, SQL, Terraform**Frameworks/Tools:** AWS (DynamoDB, Lambda, EC2, SQS, SNS, S3, etc), React, Node.js, Spark, Databricks**Skills:** Cloud Native Development, Full Stack Development, IaC, CI/CD and DevOps, engineering leadership