# Luke Smalley

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## Work Experience

#### **Software Engineer II**

Morgan Stanley / July 2022 - June 2025 SAP HANA, Teradata, Java, Spring Boot

- Configured internal web dashboards for monitoring financial assets and stress test results
- Implemented handling for brokerage and lending products into the HANA system and batch automations that aggregate data for display in the dashboard applications
- Restructured queries and batch configuration for the team's Teradata-to-HANA ETL pipeline according to organizational architecture and tech hygiene expectations
- Worked with adjacent dev and data governance teams to integrate additional data into the Teradata ETL pipeline
- Maintained lower environment uptime and collaborated with QA to establish use of production-quality test data

## **Software Engineer (Back-end & Integrations)**

Caper / June 2021 - January 2022

Java, Spring Boot, gRPC, MongoDB, Bazel, Docker, Google Cloud Platform

- Maintained a subset of the gRPC cloud services used by the Caper smart shopping carts
- Made service tweaks to keep cart behavior the same across all retailers
- Addressed outstanding integration issues (pricing, checkout, customer loyalty program) for partnered retailers and their point-of-sale vendors

## Software Engineer I

LexisNexis Risk Solutions, Inc. / November 2020 - June 2021 *C#, ASP.NET, TypeScript, Angular, Codelgniter (PHP), Azure* 

- Updated customer-facing website with additional pages for filtering and downloading data as flat files
- Loaded new datasets into the back-end database using an internal tool
- Created an updated bulk-insertion tool to speed up the data loading process and reduce the frequent need to troubleshoot
- Create documentation for the team's application, tools, and processes
- Completed Microsoft's Azure Fundamentals certification to prepare for migration to Azure

#### **Software Engineer**

Ottomation LLC / May 2018 - November 2020 (Part-time)

Node.js, TypeScript, React, Kotlin, Spring Boot, Debian Linux, AWS, OpenVPN

- Created proof-of-concept software for devices that reposition boat docks, controlled remotely by Android or web app
- Worked with two other team members on the embedded application, web back-end service, and web application for marina staff
- Integrated sensors and motor control from scratch based on product datasheets or with existing open-source modules when possible
- Set up VPN to remotely manage the repositioning devices
- Packaged embedded app and device config as Debian packages for over-the-air updates
- Document and support setup of devices for demos and new customer installations

#### Education

## **Bachelor of Science in Computer Science**

January 2016 - August 2020, Georgia State University in Atlanta, GA