Professional Experience

Kroger Technology Sep 2018 – Present **Cloud SME for R&D IoT Apr 2022 - Present**

* OKR Owner reporting on Key Results for IoT Cloud initiatives.
* Coordinated with business stake holders to determine future needs for IoT devices and infrastructures.
* Worked with CIS to determine security requirements for infrastructure.
* Worked with Store and Networking teams to determine limitations of the network.
* Architected a cloud messaging infrastructure using MS Azure that processed data in the cloud and worked with In-Store Java solutions.
* Architected and developed In-Store Java Server to process IoT Messages when Cloud was unavailable due to network outage.
* Worked with Electrical Engineers to create a secure provisioning system to the Thread network.
* Worked with Electrical Engineers to create a method for OTA firmware updates and Device to Cloud messaging on an enterprise, division, store, or individual device level.
* Worked with Chemists and Electrical Engineers to write NFC drivers so Kroger iOS/Android Apps can talk to custom food safety sensors wirelessly.
* Convert proprietary mathematical algorithms into Java microservices.
* Created Data Strategy for IoT device data.
* Architected real-time delivery system for Temperature data to business partners.
* Architected real time anomaly detection system with network outage failover.
* Supported experimentation by designing one-off data collection systems for IoT tests.
* Mentored Kroger Interns in Cloud and Mobile Apps.
* Worked with business stake holders to deploy and productionalize research software products that I was involved with.

**Advanced Software Engineer Sep 2018 - Apr 2022**

* Worked with architects to help design the Customer Service Orchestration Layer to help ensure a seamless experience for both customers and the associates helping them.
* Helped pioneer Kroger’s move to cloud native Azure, with Node functional apps and Infrastructure as Code using Terraform and Azure DevOps Pipelines.
* Designed and built Full stack solutions (including backend micro services in Java, A layer in NodeJS, and UI in React) for customer facing applications, as well as internal only applications.
* Interviewed potential new team members.
* Mentored Junior team members.
* Taught “Lunch and Learn” sessions to my and other teams and technology topics.
* Worked with internal tools team to design systems to improve the quality of life for our fellow developers.

Chrome Data Solutions Nov 2016 – Sep 2018

**Software Development Team Manager Aug 2017 - Sep 2018**

* Local point of contact for Corporate HQ.
* 7 Onshore Direct Reports
	+ 1 Sr Architect
	+ 1 Sr Build Engineer
	+ 3 Sr Developers
	+ 2 Intermediate Developers
* Managed Offshore resource team that fluctuated based on project load.
* Worked with the Product Team to schedule engineering work and plan resourcing.
* Worked with Sales and Support to determine work with the best overall value to the company.
* Lead development of new products and infrastructures that would benefit the end customers.
* Arranged social activities for the Engineering team to promote better teamwork and encourage open discussions.
* Participated in development activities as an active coder, alongside my direct reports.

**Senior Software Developer Nov 2016 - Aug 2017**

* Worked with various teams and divisions to ensure that the data products we offer our customers meet their (and our) expectations.
* Met with customers to understand their issues, and designed solutions to the discovered issues.
* Interfaced with managers and team leaders outside Engineering to ensure good interdepartmental communications.
* Worked with Sr Quality Engineers to automate processes that were repetitive and time-consuming, so that their energy could go into other areas of testing.

Annulet Consulting, LLC Dec 2012 – Present

**ZKWebTech / Medical Software: St Louis, MO Oct 2021 – Present**

**Cloud Software Architect**

* Reported directly to the founder of the company.
* Advised in matters related to data and systems security, reliability, and efficiency.
* Performed programming and systems tasks related to the product.

**Babelfish Analytics / Stock Market Analysis: New York, NY Sep 2017 – Present**

**Senior Technology Consultant**

* Reported directly to the founder of the company.
* Advised in matters related to data and systems security, reliability, and efficiency.
* Performed programming and systems tasks related to the product.

**SteveMadden / eCommerce: New York, NY June 2013 – Nov 2016**

**Software Development Consultant**

* Reported directly to the Director of eCommerce
* Lead Java Developer on the transition of their websites from existing .NET code to a new Java based multi-lingual, multi-site, omni-channel eCommerce platform.
* Mentored existing .NET developers learning Java for the new platform
* Worked with developers at the vendor, the development team in NY, as well as teams in Romania and Sri Lanka to complete projects.
* Migrated 4 sites from other platforms to ORACLE|Micros Open Commerce Platform.
* Used Java I18N package to handle multi-lingual site.
* Helped create an automated build/deploy script using GitHub, Liquibase, Gradle, Ivy, and Jenkins.
* Improved the platform by adding and altering features to fit the business.
* Met with members of Retail development to coordinate changes to data transfer channels to ensure omni-channel data is consistent.
* Worked to implement Mule to help manage data transfers and reduce points of failure.
* Wrote custom Mule Transformers to convert between vendor hierarchical formats.
* Added AJAX calls to formerly static pages in Admin tool, and created new dynamic pages to add functionality and decrease wait time for customers.
* Contributed to integration projects with third parties such as Responsys, Certona, Google, ChainDrive, LinkShare, Olapic, SociableLabs, Chase PaymentTech, ADSI, BazzarVoice, etc.
* Used Asana to keep Project Manager up to date on progress of tasks.
* Assisted in bug fixes for the platform, along with the vendor.

**Travigram.com/Product Development: Atlanta, GA** **December 2012 - May 2013**

**Web Server/Android App developer**

* Contracted to a startup to create their flagship Android App that uses pictures uploaded by users to create movies, utilizing Amazon Web Services and Google In-App Billing.
* Exceeded the client’s expectations and was asked to take over the server portion (Java Servlets running on Tomcat) of the project, which was behind schedule.
* Created a web site (Java Servlets/JSP/JSTL/HTML5/jQuery) that would interface with the same server components as the android app.
* Designed and impemented a way to link the accounts.
* **Provided billing solutions using Google and Paypal billing APIs.**

Experis November 2009 – November 2012

**AT&T/Mobility: Atlanta, GA**

**Senior Java Developer/Architect**

* Led the maintenance of the existing framework for internal reporting/adjustment tools.
* Created a set of classes and PL/SQL calls within the existing applet framework eliminating the need for custom Java by implementing table driven “on the fly” tool generation decreasing time to market for users.
* Worked with Business Analysts and users to determine needs for the next generation of tools.
* Designed and coded a new Java Web based framework to replace the old Applet based tools.
* Developed Java web-based security layer for a new set of tools, separate from the adjustment framework, using a system of JSPs and AJAX calls to authenticate the user and an interface for the external triggering of data uploads to Oracle DRM.

SDI February 2008 – October 2009

**Delta Air Lines/DotCom: Atlanta, GA**

**Senior Java Developer**

* Worked with a large team of Java and GUI developers to maintain and improve delta.com
* Implemented a project to allow people with disabilities request assistance and people with special dietary needs select a meal before purchasing their ticket.
* Assisted in Delta Air Lines/Northwest Airlines technology merger.
* As part of the integration removed legacy service calls and replaced them with newly developed connection classes using web services to poll data from the new databases
* Repaired Java bugs identified in delta.com web applications, including Booking, when they were identified by the QA department.
* Worked with GUI Developers to complete improvements to the site suggested by the Usability department.

Lodgian Inc: Atlanta, GA May 2006 – August 2007

**Senior Java Developer**

* Hired as Senior Java Developer as part of a team that created the architecture, developed the applications and monitored the performance of business critical systems.
* Implemented AJAX as part of an effort to improve overall performance of Sales tool.
* Headed project to improve in-house Sales Tools, which also calculated bonuses.
* Worked with DBAs to move the main Sales Application to its own table space and rewrite SQL calls, improving the performance of the database tier by over 30%.
* Altered Java DB Interface Objects to use bind variables eliminating parsing overhead on the Oracle DB server.
* Maintained financial reporting systems, ensuring accuracy

Independent Contractor: Atlanta, GA Aug 2005 – April 2006

**Java Developer**

* Worked several short term contracts in different areas of Atlanta, learning several skills I lacked.
* Created Dynamic phonebook app using DHTML and Javascript
* Replaced a service call to a server with a Javascript amoritization table to calculate loan values without refreshing the page, saving the bank $99/month for the loan calculation service.

Eaton Corporation: Cleveland, TN July 2000 - July 2005

**Program Analyst**

* Determined user requirements and performing most of the analysis phase of programming on Java applications.
* Most projects were web-based applications running under Tomcat on IIS. Several of these applications also interfaced with ERP/MRP software running on an AS/400 system.
* Designed, coded and deployed applications.
* Led the testing efforts after the coding phase was completed.
* Performed maintenance coding to keep system running.
* Migrated AS/400 green screen system to Java Web app.
* Created Java Web app that interfaced with existing MRP, Inventory, and Shipping systems to create a single point of entry for processing a shipment.