

Professional Experience

Kroger Technology
Cloud SME for R&D IoT

Sep 2018 - Present
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
Software Development Team Manager

Nov 2016 - Sep 2018
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
ZKWebTech / Medical Software: St Louis, MO
Cloud Software Architect

Dec 2012 - Present
Oct 2021 – Present

- 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
Senior Technology Consultant

Sep 2017 – Present

- 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
Software Development Consultant

June 2013 – Nov 2016

- 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, BazaarVoice, 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
Web Server/Android App developer

December 2012 - May 2013

- 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 implemented 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 amortization 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.