

To schedule an interview: walt.moorhouse@gmail.com

Walter P. Moorhouse

Principal Software Engineer / Architect

Full-Stack/Cloud Software Engineer/Architect with over 23 years of software development experience in a variety of industries including fashion, manufacturing, travel & hospitality, retail, grocery, financial, and telecommunications. Experienced in the integration of new vendor systems with existing systems. Expert in Java and web based systems. Familiar with common Apache Open Source projects. Adept in migrating old systems to cutting edge Web technologies and creating connections to legacy systems. Experienced in Cloud Native and Mobile App development. Able to communicate with customers and all members of the business to pre-qualify project needs and to manage expectations in order to increase the life cycle of the product. Able to work as an architect, team leader, or working with other Developers as part of a team to accomplish even the largest IT projects. Ability to quickly learn new frameworks, technologies, or tools in order to stay on schedule.

Technologies

UI: React, AngularJS, Knockout, HTML5, CSS, Javascript, AJAX, jQuery, YAML, JSON, XML, NPM, Yarn, Pug/Jade, SocketJS, and Dart		
Mobile Apps: React, Flutter, iOS Native with Swift2, Android Native with Java/Kotlin		
External API and Backend Microservices: Java (13, modular, Spring Boot, Spring Security, Spring Data, WebFlux, WebSockets, Reactive), NodeJS (Express, JOI, TSOA), Rust, Python, Go, C/C++		
DB: Cassandra, Mongo, Oracle RDBMS, MS SQL Server, MySQL, DynamoDB, DB2, and LokiJS	Query Langs:	ANSI SQL, PL/SQL, T-SQL, and CQL
DevOps, Cloud Technology, Testing, and Build Tools: IntelliJ, WebStorm, GoLand, PyCharm, CLion, AppCode, XCode, Mulesoft, Eclipse. Subversion, Git, Perforce, Github, Gitlab, BitBucket, Terraform, Pipelines, TeamCity, Jenkins. SendGrid, MailGun, NGINX, Weblogic, Websphere, Apache, Tomcat, Redhat OpenShift PaaS, GCE, AWS, Azure, Google Play API, PayPal API.		
OS: Linux, Mac, Windows, UNIX, BSD, and Solaris	Scripting:	Bash and JShell

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
AT&T/Mobility: Atlanta, GA
Senior Java Developer/Architect

November 2009 - November 2012

- 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
Program Analyst

July 2000 - July 2005

- 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.

Education

Java 14, 15, 16 Features Training - Portland, OR	2021
Java 9, 10, 11 Features Training - Portland, OR	2018
Java 9 Modules Deep Dive - Portland, OR	2018
Java Certification, Level 2 – Sun Microsystems: Atlanta, GA	2001
Java Certification, Level 1 – Sun Microsystems: Atlanta, GA	2001
BS Chemistry – Tennessee Wesleyan College: Athens, TN	2000

References

References are available upon request.

Hobbies

Kayaking, Ping Pong, 3D Printing, Laser/Rotary CNC, building custom IoT devices with Arduino and Raspberry Pi. Designing custom circuit boards and enclosures for the IoT devices.