**Tiffany Timbric**

Software Programmer/Developer/Architect  
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## Overview

Java/Kotlin/Scala/Groovy back-end micro-services, Unix, Reactive Extensions, NoSQL, SQL, Cassandra, Hadoop, Protocol Buffers, OSGi, Cucumber, Wiremock, Mockito, JUnit are some things I use writing enterprise software. Containerization (Docker/Kubernetes/ECS), Cloud, Amazon Web Service, Puppet, and Zookeeper, Jetty, Tomcat, JBoss, Spring I know and use.

I worked at Sun Microsystems, Inc. in software engineering, then in their Java Center as a Java Consultant to their clients (Wall Street, Silicon Valley) teaching architecture, methodology, software design, coding. Later I worked at RedPrairie/JDA Software Group as an Engineer doing OSGi SOA, lead one new product project. I was a Senior Architect at Packexpo, Inc..

## Employment History

### **1**/10/201**9**-**10**/1/201**9** Software Engineer, Arris/Com**mscope**

* + Updated the video catalog and merchandising backend originally authored by Motorola for Bouygues Telecom, France.
    - Designed an implemented Java clients to external REST services.
    - Added configurable thread and resource instance pools.
    - Diagnosed and corrected memory and performance problems.
  + Java EE, WildFly, GlassFish, WebSphere, REST, Wiremock, Mockito, Postman, Wireshark.

### 1/1/2018-4/1/2018 Software Engineer, Comcast, Corp.

* + Updated one Java system to Docker/Kubernetes, Java 11, Cucumber, Reactive Extensions, Git.
    - This improved code quality and maintainability beyond the direct features.

### 1/4/2016-12/31/2017 Software Engineer, Charter Communications.

* + Maintained 100+ Java micro-services, added new micro-services all in Amazon Web Services.
  + Linux, Netflix OSS, Cassandra NoSQL, Reactive Extensions, Java 8, SQS, SNS, S3, EC2, Active MQ, Mongo, Git, Spring.

### 9/1/2014-2015 Software Engineer, Comcast, Corp.

* + Designed and implemented “RxJDBC,” an asynchronous event oriented (Reactive Extension), RabbitMQ Message Oriented Middleware (MOM) front to an Oracle database as part of the Resiliency Project, Java, Git.

### 2/1/2014-5/1/2014 Software Engineer, Tendril, Inc.

* + Back-end dev-ops programmer on SOA Finagle+Protobuf+Cloud Java/Scala micro-services.
  + Atlassian, Cucumber BDD, PostgreSQL, Hadoop, Hibernate, Scala, Intelli-J IDEA, Git.

### 2/1/2010-12/31/2013 Senior Software Engineer, JDA Software Group, Inc. which merged with RedPrairie, Corp. formerly StorePerform, Inc.

* + Project Lead for integration of iOS, Android mobile task system with legacy web-based system
  + Tasks roughly are E-mail messages enhanced for distributing and tracking business actions.
  + Customers included Fortune-500 companies. Scalability, performance were significant.
  + Technologies: OSGi, Gradle, Git, and Sql Server, Git, Mercurial, Subversion, CVS.
  + Extended and maintained legacy J2EE web-based task management system.

### 2008-2009 Independent Software Development Consultant & Sun Java Consultant

* + Extended and maintained a JEE merchandise inventory system with MySQL DB, Java, Spring.
  + Customers: AmDocs, Etilize, Bell South, eBay, Frontier Airlines, Skyway

### 2007 Chief Operation Officer, Evolution Hosting, Inc.

* + Viawest data center Linux servers for J2EE applications with Java management software, Java, Linux, VMware, Zen, Amazon Web Services.
  + Large number of customers including Crocks, Wells Fargo, and Hunter Douglass, among others.

### 2004-2007 Independent Software Development Consultant & Sun Java Consultant

* + Created NIO client with could reach 100 Mb/s scale message rates.
  + Created new web sites, Java.
  + Consulted at eBay, Frontier Airlines, Bell South, Skyway representing Sun Microsystems, Inc.

### 2002-2004 Senior Software Architect, Packexpo, Inc.

* + Created a reporting systems for packaging advertising services.
  + Maintained packaging advertising web site.
  + Technologies: JBoss, Linux, MySQL, Intelli-J, BeanShell, JSP, Lzop'ed data stream for large DB backups over NFS mounts, Java, Groovy.

### 1999-2002 Java Consultant, Sun Java Center, Sun Microsystems, Inc.

* + Represented Sun for RUP, UP, SunTone, OOA&D mentoring and J2EE coding, Java, SCCS, Teamware, RCS, Solaris, Java.
  + Consulted at Citigroup, Vanguard Fiduciary Trust, Credit Suisse.
  + Performed an Architecture Assessment recommending SOA and JEE which later was followed as advised.

### 1998-1999 Java Developer, Sun Educational Services, Sun Microsystems, Inc.

* + Created web-based and Swing computer assisted training systems.
  + Improved the performance of our custom pseudo-recursive-descent parser template engine by adding caching of parser results and by altering the parsing algorithm.

## Education, Certifications, Patents

* + Sun Certified Java Developer
  + Sun Certified Java Programmer
  + Patent: [#6907423](http://www.patentgenius.com/patent/6907423.html) Search engine interface and method of controlling client searches
  + B.S. Computer Science, University of Colorado at Boulder