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| Derek Glidden |

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A dedicated Java developer with over 20 years of experience in the IT field as a full-stack developer and system administrator. Excels at designing and implementing solutions ranging from frameworks such as Spring Boot to large, enterprise-scale applications using technologies like JavaEE. Passionate about leveraging Open Source to develop cost-effective, efficient, and reliable solutions. Approaches development with unique perspective of having had experience in application, system, network, and security architectures. Able to easily communicate ideas and concepts with excellent written and verbal communication skills. Enjoys being able to share skills and knowledge with others.

# Skills

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| * Java, Bash, other scripting languages
* Core Java, JavaEE, Spring, Drools, Hibernate, JMS, ActiveMQ, Maven, Gradle, git
* Spring Boot, Spring Webservices, Microservices, SOAP/REST, Webservice security, Spring MVC
* Apache, Tomcat, JBoss, Glassfish, Jetty, IntelliJ IDEA
 | * PostgreSQL, MySQL, SQL Server, Oracle
* Linux, Docker, AWS
* XML/XSL, JSON, LDAP
* Networking, Firewall, Load Balancing, Network and Systems Security
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# Experience

## Software Developer

### March 2024 – JULY 2025

## SmartMeter, Tampa, FL

Senior software developer dedicated to maintaining and extending the company’s Web Portal application. The application consists of a Spring Boot framework, leveraging many other Spring libraries, such as Spring Security for securing endpoints and managing access to the site, and presents both a human-readable website for interaction with the Portal functionality and a REST API for programmatic interaction. The backend utilizes PostgreSQL, Redis, and Kafka.

* Spring Boot
* Spring Web Services
* Spring Security
* REST
* WebSockets
* SQL/PostgreSQL
* Redis
* Kafka
* JavaScript
* jQuery
* Bootstrap

## Senior Software Developer

### AUGUST 2023 – FEBRUARY 2024

## NetDirector, Tampa, FL

Senior Software Developer whose duties include helping maintain and extend the software used for B2B data transfer and conversion. The technologies used include JavaEE/EJB, JBoss, Tomcat, Angular, RESTful and SOAP Web Services, Quartz Job Schedule, ActiveMQ, and others, all on the Java platform. Working fully remote in a small team of Senior and Junior developers. Other responsibilities include mentoring coworkers and as much knowledge-sharing as possible.

* JavaEE/JBoss
* REST/SOAP Web Services
* ActiveMQ
* Quartz

## Software Development Consultant

### March 2021 – JULY 2023

## Identity Fusion, Tampa, FL

Software Development Engineer for an identity management consulting firm working primarily with the ForgeRock Identity Management platform. Performed consulting for clients on installation, testing, and maintenance of the platform. Leveraged Azure DevOps for development pipeline, ticketing, and git workflow. Integrated with many online services using REST/REST-like interfaces. Gained knowledge of authn/authz systems such as OAuth2 and JWTs.

* ForgeRock Identity Management Certified

## Software Engineer

### April 2020 – January 2021

## Availity, Tampa, FL

Software engineer for a large healthcare services company. Helped maintain and extend DataPower connectivity with XML/XSL/JavaScript for transforming incoming service requests to outbound client requests. Used OAuth/JWT for authentication and security. Utilized Splunk and New Relic for monitoring and diagnostics of services. Worked in a HIPAA compliant environment.

* Worked in the Application Services group, primarily on the DataPower platform
* Leveraged XML/XSL/JavaScript to transform requests for outbound queries to clients
* Used several methods of authentication, authorization, and security, including OAuth/JWT and mTLS
* Assisted in development of Spring Boot-based microservice for providing public API to back-end systems
* Leveraged other Spring technologies such as Spring Webservices, Spring Security, and Spring Data to access back-end data stores for Spring Boot microservices
* Used JIRA and Bitbucket for code management and versioning

## Software Developer, Contract

### October 2019 – March 2020

## Florida Blue, Tampa, FL

Software developer for a large health insurance company. Worked on a Java/Drools-based workflow system to help members get notifications of important life events. Worked in a HIPAA compliant environment.

* Worked with the PHM software in the CARE group at Florida Blue, a Java-based system using Drools rule engine to make decisions based on member data and upcoming notification events
* Decision tables, rule templates, and hand-written rules were used to make determinations on workflow events
* Multi-module project with dependencies managed through gradle and gitlab

## Senior Software Developer

### June 2017 – September 2019

## Avalon Healthcare, Tampa, FL

Software developer for a company that specializes in reducing costs of lab healthcare expenses. Helped maintain and expand their key offering of Lab Benefits Management software, APEA. Assisted in designing and architecting software infrastructure and improvements. Worked with many Open-Source Java technologies like Spring and Drools and extensive web services. Used application servers JBoss, Tomcat, and Jetty in a Linux-based AWS environment. Worked in a HIPAA compliant environment.

* Maintained and improved APEA a Java application used to help healthcare vendors reduce lab expenditures. Java-based, using Spring extensively, as well as Drools and other technologies
* Deployed into a JBoss environment to provide web service access to and from clients and vendors
* Extensive rewrites and refactoring to improve and add new features to APEA. Modularized and refactored codebase
* Used Drools rules engine within APEA. Decision table-based rules were integrated into the workflow using Drools and jBPM. Excel spreadsheets were designed and expanded to accommodate new features and decision-making
* Used Eclipse tools to manage jBPM workflow for Drools-based decision-making
* Use of Spring Web Services to allow communication between vendors and healthcare providers to APEA. Produced and consumed SOAP messages, including integration of WS-Security technologies for secure communication
* Refactored/rearchitected code around the Camel subsystem to more modularize and clarify Processor actions to more clearly reflect single-purpose Processors
* Helped architect, plan, and implement new features using such technologies as JMS and ActiveMQ for asynchronous message processing
* Wrote Spring Boot-based client for ActiveMQ/JMS to process messages on the queue to be inserted into the database
* Wrote Spring Boot microservice to provide access to secured databases to front-end systems without requiring front-end access to database and other data stores
* Extensive use of git for version control and feature management. Followed a git-flow-like methodology, customized for our specific use-case
* Used AWS-based infrastructure including technologies such as EC2, load balancers, auto-scalers, SQS, and Amazon ActiveMQ
* Performed Devops work such as managing software deployments to Linux-based AWS instances and assisting in infrastructure planning
* Streamlined Devops work by rebuilding build and deploy systems to be more straightforward and semi-automated. Migrated build system from maven to gradle

## Software Developer

### October 2013 – May 2017

## CSDVRS, Clearwater, FL

Software developer for a company that specializes in video telephony and interpreting for the deaf. Helped build out and maintain core application infrastructure including call routing, customer profile management, website maintenance, CRM, Legacy applications written in Ruby on Rails, newer applications and infrastructure replacements written in JavaEE or Groovy on Grails.

* Maintained and updated EAS - a RoR application - primarily responsible for the validation and routing of incoming calls to the appropriate interpreter queue
* Maintained and updated the company website - a RoR application - allowing customers to log in and review and modify their profile, as well as sign up new customers
* Maintained and updated Zdial - a RoR application - used by the Z5 mobile application, providing web services for remote authentication, retrieval of customer contacts, as well as other mobile app data
* Helped maintain and update internally developed RoR-based CRM system
* Maintained and updated the VCC - a Java application - to enhance ability to route and connect calls as well as providing interpreter response to error conditions
* Implemented application in Grails to allow customer service reps to bridge into existing calls for monitoring and quality assurance purposes
* Implemented application in Grails for customers to log in and update profile information for new FCC profile requirements
* Prototype applications in JavaEE and Groovy on Grails to replace legacy RoR applications. Utilized Drools rules engine on top of JavaEE application infrastructure to prototype replacement for EAS routing software using a rules-based system
* Used SoapUI, as well as other tools, to prototype and test web services (SOAP and REST) for several applications
* Interfaced with DBA for development and maintenance of additional database schema information required for new features
* Learned enough ASL to be able to effectively communicate with deaf coworkers

## Software Developer

### July 2012 – September 2013

## Bright House Networks, Brandon, FL

Java developer for a major Cable and Internet Service Provider. Helped maintain several internal infrastructure systems using a variety of technologies and applications such as Spring, Hibernate, Maven, and WebLogic.

* Helped maintain and update customer billing systems through back-end upgrade migration
* Responsible for maintenance of telephony billing system

## Software Developer

### October 2009 – May 2012

## SOE Software, Tampa, FL

Assisted in development of client elections information portal. The site allows for clients to update information about election offices and allows voters to search for polling places and look up voter information. Some of the technologies used: Java, MySQL, JBoss, Apache Web Server, Hibernate, Struts and JSP. Instrumental in designing and developing the next generation platform for the Connect system, based on SEAM and JSF, which allows for a much greater flexibility in deployment and data access for clients and voters. Designed and implemented new Campaign Finance software based on the Groovy/Grails platform.

* Maintenance of the legacy code base. Responsible for design and development of new features as well as bug fixes and customer requests. Performed significant optimization on database queries as well as streamlining of many aspects of the application stack for performance and maintenance improvements. Migrated significant parts of the old code from JSP/Java Bean based architecture to a more structured JSP/Struts/DAO, utilizing Hibernate more effectively
* Instrumental in the architecture and design of the next-generation version of the software, based on the SEAM platform, leveraging existing database architecture with a fully layered architectural stack, including DAO, Business logic and presentation layers. This allows for a much quicker turnaround on addition of new features and enhancement of existing features
* Instrumental in developing new application for Campaign Finance based on the Grails platform and using MySQL as the back-end database. Architected, developed, and deployed web-based platform for candidates to enter finance information, and integrated with existing Connect platform
* Developed mobile site presentation capabilities of new platform
* Participated in full Software Development Lifecycle (SDLC) of the application design, development, and deployment for both older and newer Connect software. Work closely with account management to determine client requirements, database administrators to determine database structures and requirements
* Worked closely with database administrators to tune and optimize both code and database structures, improving performance and lowering amount of system resources required
* Assisted in migration of existing CVS repository to new Subversion-based system

## Software Developer

### October 2003 – October 2008

## Arbitration Forums, Tampa, FL

Designed, developed, and maintained Arbitration Forums corporate website, The site provides insurance professionals from different companies across the country the ability to centrally, electronically file and track arbitration and subrogation claims. Some of the technologies used were Java, Oracle, JBoss, Apache Web Server, JavaEE, Hibernate, Struts, Spring, and Groovy. Also responsible for the day-to-day maintenance of development platforms and the systems used to run the site.

* Had a key role in design and development of server-side application code for the website. Responsible for most of the hardware platform on which it ran as well as performance optimization for a website which receives upwards of 100,000 unique visitors a day and considered a mission critical service by both the company and its customers
* Participated in full Software Development Lifecycle (SDLC) for our web application. Performed every aspect of SDLC process including gathering of requirements, documenting requirements and specifications, designing application architecture, implementation, and deployment, and worked with networking and database administrators to ensure a complete end-to-end deployment environment
* Performed security analysis of code; identified and fixed several potential SQL injection attacks which were resolved by addition of JDBC utility classes that scrubbed SQL input before execution. Designed and implemented a rewrite of the user login system as part of the initial security audit
* Lead developer responsible for design and integration of a significant amount of new code and functionality providing subrogation features to the existing site. Gathered requirements and developed application specifications, designed overall system architecture, including new database schemas, implemented and deployed the new application functionality
* Used design specifications from the subrogation work to define direction and software patterns for refactoring legacy code into the newer application architecture. This consisted of migration of older J2EE technologies, such as Entity Beans and Session Beans into newer JavaEE style classes, utilizing Spring, Hibernate and JavaEE
* Assisted in design and implementation of the introduction of Hibernate to replace legacy JDBC-based database access. Refactored several existing classes from using direct JDBC calls and embedded JDBC methods in Entity Beans to use DAO/JDO style access. Responsible for performance and optimization of Hibernate queries running against the Oracle database
* Assisted in redesign and refactoring of ant-based build environment to reduce the amount of configuration and enhance the extensibility of the build environment
* Utilized Ruby on Rails, Perl, and shell scripting to build several small web-based and console-based projects for management of internal systems and data management tasks. Leveraged Rails’ agile development for quickly integrating with the enterprise Oracle database as well as several other smaller internal databases
* Designed schemas for and maintained several MySQL and PostgreSQL databases used for internal application management and system processing
* Implemented CVS for version control of the codebase which was later migrated to a Subversion repository. Also responsible for maintenance of revision control servers
* Administered the Linux-based web servers, VMWare virtualization systems and F5 load balancers used as the platform on which the website was run
* Assisted in network security analysis and configurations outside of regular responsibilities for the website
* Played significant roles in mentoring junior developers and familiarizing new developers with the existing code base and system architecture

## Other Experience

### Networked Knowledge Systems, Tampa, FL

### Techmatics Information Alliance, Tampa, FL

# Education

### University of South Florida, Tampa, FL

### University of Central Florida, Orlando, FL