Princewill Ibe

Software Development Engineer in Test

Industry Equivalency

18	16	16	16	14
Java	SQL	JUnit	Hibernate	Angular 4

Equivalency in months

ABOUT ME

I am a Software Development Engineer in Test with exposure to a variety of technologies for developing and testing web applications. I Have worked on all parts of web applications, from the data layer using frameworks like Spring and Hibernate , all the way to the client end using Angular for a dynamic single-page application, all the while testing with frameworks like JUnit, TestNG and Selenium.

➤ Comprehensive experience with **TestNG**, **JUnit**, **Selenium**, **Protractor** for testing web applications, **SQL**, **JDBC**, **Hibernate** for developing back-end applications, and **HTML/CSS**, **Angular**, **Javascript/Typescript** for front-end applications.

➤ Practiced Behavior Driven Development and Data Driven Testing armed with **Cucumber** and **TestNG**.

➤ Wrote unit tests using **TestNG** and **JUnit**.

➤ Used **Selenium WebDriver** to automate testing web pages.

➤ Performed end to end testing on **Angular** front end application with **Protractor** and **Jasmine.**

➤ Tested rest end points using **Postman** and **SoapUI.**

➤ Performed performance tests using **JMeter**.

➤ Designed an **Oracle SQL** database to securely store data.

➤ Accessed and manually mapped data to Java beans from database using **JDBC**.

- ➤ Developed Object Oriented data layer using **Hibernate** for Object Relational Mapping and **Spring** for transaction management.
- ➤ Separated client and server by implementing a **REST** service using **Spring Web MVC**, and **Jackson** for JSON mapping.
- ➤ Used **Spring Autowiring** to decouple server-side components, making them easy to test.
- ➤ Accessed server resources using asynchronous calls via **AJAX** with Promises in **Javascript** and Observables in **Typescript**.
- ➤ Managed Java project dependencies using **Maven**.
- ➤ Setup an **AWS EC2** server with **Jenkins** in conjunction with **Maven** and **Git** for a fully automated Continuous Deployment pipeline.

Education & Certification

Bachelor - Computer Science

🏛 University of Illinois-Urbana-Champaign - May 2017

GPA : 3.77

Oracle Certified Associate

✴ Oracle

Issued On : Dec 23, 2017

Online Transcript :
https://www.youracclaim.com/badges/9806d132-6dd4-4c9a-8c1f-1e8110d54ad6/public_url
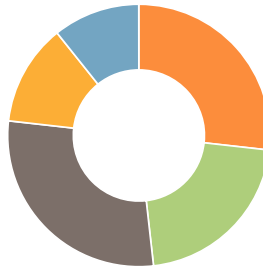
Skill Matrix

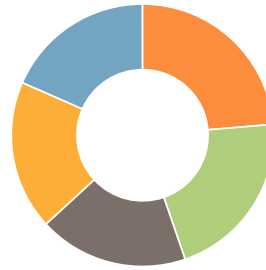All durations represent Equivalency

Web Technologies

- HTML/CSS (14 Months)
- Javascript/Typescript (14 Months)
- Bootstrap (13 Months)
- Angular 4 (14 Months)
- JQuery (8 Months)

Web Technologies

- HTML/CSS
- Javascript/Typescript
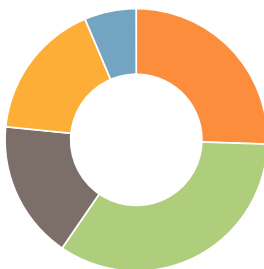- Bootstrap
- Angular 4
- JQuery
- WebGL
- d3.js
- AngularJS

Database Layer

- Hibernate (15 Months)
- JDBC (12 Months)
- Oracle SQL (16 Months)
- SQL Developer (7 Months)
- Spring Data (6 Months)

Database Layer

- Hibernate
- JDBC
- Oracle SQL
- SQL Developer
- Spring Data
- MongoDB

Languages

- Java (18 Months)
- Oracle SQL (16 Months)
- Typescript (14 Months)
- Javascript (14 Months)
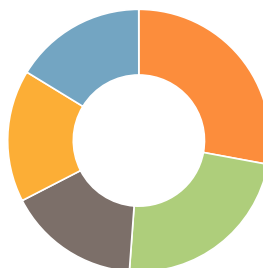- HTML/CSS (14 Months)

Languages

- Java
- Oracle SQL
- Typescript
- Javascript
- HTML/CSS
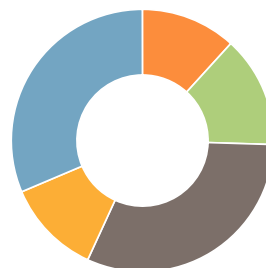- C++
- Python

Testing

- TestNG (12 Months)
- JUnit (16 Months)
- Selenium (8 Months)
- Cucumber (8 Months)
- JMeter (3 Months)

Java Web

- Servlet API (12 Months)
- Restful Web Services (10 Months)
- Spring MVC (7 Months)
- Jersey (7 Months)
- Jackson (7 Months)

Devops

- Amazon Web Services (6 Months)
- Jenkins (7 Months)
- Git (16 Months)
- Pivotal Tracker (6 Months)
- Maven (16 Months)

Testing

- TestNG
- JUnit
- Selenium
- Cucumber
- JMeter
- SOAP-UI
- Postman

Java Web

- Servlet API
- Restful Web Services
- Spring MVC
- Jersey
- Jackson
- JAX-RS

Devops

- Amazon Web Services
- Jenkins
- Git
- Pivotal Tracker
- Maven
- Subversion

Projects

TrackForce

The TrackForce system allows a manager to track the life cycle of associates moving into different stages such as training, reserved, selected, confirmed, deployed and other stages. The metrics of mapped and unmapped resources gives a preview of associates available for a client mapping which enables the management team to plan for future goals. The focus of future batches and the historical data of associates trained at any point of time provides clear insight to meet our client needs

Roles / Responsibilities

- Learned AngularJS to convert the front end from AngularJS to Angular 5.
- Converted Batch-Listing functionality from AngularJS to Angular5.
- Made cross origin requests to Jersey REST controllers from Angular 5 front end.
- Tested functionality with unit tests written with TestNG.
- Tested Angular 5 front end using Jasmine and Protractor.
- Made SOAP-UI tests to ensure rest endpoints are working.
- Collaborated and managed source code using Git.
- Worked with a Continuous Deployment pipeline using Amazon Web Services hosted on EC2 instances along with Jenkins.

Environment / Technologies

Git, Jenkins, SQL, Hibernate, REST, HTML, CSS, AngularJS, EC2, RDS, Maven, Node.js, Selenium / Webdriver, Cucumber, TestNG, JavaScript, AJAX, JUnit, Log4J, Angular 5

RevLearner Project

RevLearner is a social networking application designed for coders using philosophies in gamification and mentorship to implement a self-managed application. Basic users can challenge other users, and if they earn a high enough rank they can be promoted to an advanced user in that topic with privileges to write their own questions. Unlike competitor services, RevLearner also offers a certification verification to become a certified user in a topic and be able to personally endorse questions as exceptional material for that topic.

Roles / Responsibilities

- Implemented data model beans, and properly mapped them to database using Hibernate and JPA annotations.
- Implemented custom DAO functions needed for generating quizzes and processing completed quizzes using Hibernate NamedNativeQueries and Spring Data.

- Developed much of the quizzing/challenging functionality in the service layer.
- Implemented front end pages to new questions and taking quizzes using Angular 4 with Bootstrap.
- Setup a Continuous Deployment pipeline using Amazon Web Services hosted EC2 instances along with Jenkins.
- Setup REST controllers to transport data between Angular 4 front end and Java back end.
- Tested functionality with unit tests written with TestNG.
- Tested Angular 4 front end using Cucumber, Selenium Webdriver, and TestNG.
- Collaborated and manage source code using Git.

Environment / Technologies

Java, Hibernate, REST, SQL, HTML, Bootstrap, CSS, Git, Angular 4, Selenium / Webdriver, Cucumber, TestNG, Spring

Tuition Reimbursement Management System (November 2017)

The Tuition Reimbursement System, TRMS, allows users to submit reimbursements for courses and training. The submitted reimbursement must be approved by that employee's supervisor, department head, and benefits coordinator. The benefits coordinator then reviews the grade received before finalizing the reimbursement.

Roles / Responsibilities

- Created Java beans and mapped them to the Oracle database using Hibernate and JPA.
- Designed and implemented DAO classes to abstract out data access from the rest of the application.
- Incorporated transaction management in DAO layer using the Spring Transaction API.
- Implemented session management for user authentication using HttpSessions in the Servlet API.
- Developed functionality to upload and store documents to database, then subsequently display them.
- Extensively tested DAO layer with JUnit unit tests.
- Developed responsive front end using Angular 4 and Bootstrap for styling.
- Used git to version my source code.

Environment / Technologies

Java, HTML, CSS, JDBC, SQL, JavaScript, AJAX, Bootstrap, Spring, Hibernate