

Banawi, Bassam

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Software Engineer

Professional Summary

- Around 3 years of professional experience in IT industry on Cross Platform (Web & Client-Server) application development, design and testing using Object Oriented Programming, Java /JEE technologies.
- Computer Science Graduate with solid understanding of Programming Languages, Algorithms, Data Structures and Hands on Java Full Stack Development Experience.
- Good understanding of SDLC (Software Development Life Cycle) and Agile Methodologies.
- Experience in web application development using JEE frameworks like Spring Boot, Spring MVC, Angular, Spring Cloud, REST, Microservices Architecture, MySQL.
- Ability to articulate complex data problems and solutions.
- Good knowledge in building RESTful Web Services using Spring Boot.
- Designed and developed user-friendly web applications in Angular, designed components, developed parent-child relationship between them and used props to pass data from parent component to child component.
- Experience in implementing discovery server and API gateway such as, Zuul and Eureka server.
- Enough understanding of multi-processor, multi- threading, and multi-tasking.
- Hands on experience in handling coming request (load balancing) using Ribbon, Hystrix, circuit breaker.
- Experience work with Rest-Template feign framework using spring Microservices.
- Experience in implementing tracking, searching microservices logs using Splunk and Logstash.
- Experience and understanding the messaging system such as, apache kafka, RabbitMQ, zookeeper and, MQTT
- Solid understanding of databases and hands on experience in building SQL Queries, Stored Procedures and connecting Web applications to databased using JDBC, Hibernate, Spring Data JPA.
- Good understanding of version control systems like Git, Bitbucket.
- Experienced working with Amazon Web Services (AWS), Amazon IoT Core, Amazon DynamoDB, Alexa developer console, access management, AWS CloudWatch.
- Flexible to work in Agile SCRUM environment.
- Team Player as well able to work independently with minimum supervision, innovative & efficient, good in debugging and strong desire to keep pace with latest technologies.

Technical Skills

- **Languages:** Java, python
- **Scripting languages:** JavaScript, Typescript
- **Web Designing and Development technologies or libraries:** HTML, CSS, Bootstrap, JSON
- **Databases:** MySQL, NoSQL
- **Frameworks:** Spring Boot, Spring MVC, Spring Cloud, Spring PCF, Hibernate, Netflix /Zuul Gateway, Feign Client,GSON,Jackson, RESTful.
- **Cloud Services:** Amazon DynamoDB, Amazon IoT Core, EC2
- **IDE:** STS, IntelliJ, Visual Studio Code.
- **Version Control/Continuous Integration Tools:** Git, bitbucket.

Work Experience

IBH - Insurance Broker House –fulltime

Jeddah, SA

Information Technology Manager

Mar 2022 – Sep 2022

- Lead IT projects, including the design and deployment of new IT systems and services.
 - Negotiate with technology vendors, contractors to obtain the highest possible level of services and develop test strategies for new hardware and software.
 - Manage and report on allocation of IT budget to the Head of Transformation and Shared Services.
 - Monitor performance of information technology systems, perform cost/benefit analyses of IT projects, prepare and present analyses to the top management and make recommendations for improving the IT infrastructure.
 - Lead in the development of the aggregator software to be completed in 2022.
 - Controlling by using Cyber security tools and following up on it systematically.
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Applications Technology Group Inc (ATGWork) –fulltime

Atlanta, GA, US

Software Engineering

Oct 2020 – Nov 2021

- Developed Williams-Sonoma, Inc's API based order management system that integrated with existing angular project.
 - Build REST API's in the backend using Javax-rs to expose part inventory and pricing structures from database to B2B customers.
 - Build Micro Frontend web application that consumes the API's to dynamically show customer order tracking, return Item information and Etc.
 - Involved in working with JavaScript for form validations and to design interactive web pages.
 - Followed Agile Methodology and SCRUM to deliver the product with cross-functional skills.
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CodeForce 360 - Intern and Contract

Alpharetta, GA, USA

Java Developer

Sep 2019 – Aug 2020

- Developed microservices and API's using Spring Boot, Hibernate, Restful service.
 - Involved in building REST Services using java and spring boot and document them using openAPI/Swagger.
 - Involved with working with the front-end development and designing responsive web applications in Angular.
 - Implanted JWT and persistentTokenRepository using spring security.
 - Worked with Webflux, Spring Cloud Sleuth, Zipkin.
 - Prepared Use Cases, sequence diagrams, class diagrams and deployment diagrams.
 - Worked on Version Control System using GitHub.
 - Followed Agile Methodology and SCRUM to deliver the product with cross-functional skills.
 - Used JIRA for tracking the work assigned, organizing issues, and following the team activity.
 - Hands-on experience in using CI/CD pipeline and Jenkins for deploying the code.
 - Deployed Microservices on private cloud foundry.
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Official Payments - Intern

Norcross, GA

API Developer

Feb 2017 – Jan 2018

- Worked on official payments key Mobility project and built API's for iOS and Android apps to interface and consume these API's. Member of the configuration team for end users.
- Involved in building RESTful Web Services to consume the gateway where the service will accept the HTTP GET requests and respond with a JSON representation. Mobile Apps would consume these API to enable users to view wallets, view services and perform all other operations.
- Developed various reusable helper and utility classes using Java Beans with IntelliJ Idea editor.

Education

University of Minnesota Twin Cities

Master of Science & Engineering in Software Engineering

Overall GPA: 3.42/4.00

Minneapolis, MN, US

May, 2024

Clark Atlanta University

Bachelor of Science in Computer Science

Overall GPA: 3.55 / 4.00

Atlanta, GA, US

December, 2019

Academic Projects

Home Monitoring System

- Focus on the functionality of communication between Raspberry pi and Alexa using Amazon web services such as Amazon IoT Core, Amazon DynamoDB, and Lambda function, offering a simplistic interface for users. Core concept of monitoring system is to utilize a Raspberry pi 3 as the hub for the system. [Link](#)

iOS Backup Recovery

- Develop a software analyzes backup of iOS devices at looking into the "Mainfest.db" SQLite database which contains has lookup tables for each file in the back up. Create pictures, contact info and pictures of contacts, text messages, and call history objects so that an output dictionary to store selected recovered files and an analysis report of the backup. [Link](#)

Phone Bill Application

- Used Google Web Toolkit for building and optimizing browser-based application to create a phone bill web-application that receives and stores the phone call details from user. The main goal was to use Java through GWT to build a front-end application. [Link](#)

Fun-Dishes

- Responsible for designing, coding, and modifying the existing site with a clear navigation and user-friendly design using HTML, CSS, JavaScript, and NodeJs. In addition, Built and optimize Restful API for admin page to hasfully control to add, delete, updated ... Etc. [Link](#)

SSO (Single Sign-On)

- Allow secure Web domains to exchange user authorization data using JSON web tokens library. It makes easy for users to log into multiple application in a specific browser session. Built an isolated web to receive the public key from another isolated system which will generate the public and private keys. [Link](#)