BAHA AMAYREH

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Software engineer

Experienced software engineer with over five years in the industry, proficient in Java, Spring Boot web development, with expertise in Spring Boot web, Spring Data JPA, Hibernate, Spring ORM, Spring validation, and REST API & RESTful services, RDBMS, JavaScript, HTML5, CSS3, and React.js. Proficient in end-to-end system development, adept at creating robust and clean, readable, and maintainable code and elegant designs. Effective communicator, capable of collaborative teamwork or independent tasks. Holder of dual master's degrees in computer science, complemented by a bachelor's degree in software technology.

PROFESSIONAL EXPERIENCE

SMARTY FOR IT. SOLUTIONS, HEBRON, PALESTINE ● 4/2021-8/2022, Software Company**, Web Developer.**

- End-to-end Spring boot application (REST API application/Spring JPA using Crud repository).
- Used Spring boot to provide defaults for code and annotation configuration to quickly start the application.
- Services implemented with Rest methods of GET, POST, PUT, and DELETE using Restful API spring boot.
- Used advanced Java 8 features like Lambda expressions for array operations and collections. Enhanced Concurrency methods etc. throughout the application for well-defined programming.
- Assisted in the compilation of a technical use case by analyzing business requirements.
- Use the MVC pattern on the System design.
- Designed and developed RESTFUL Web services for the application to seamlessly support all data exchange formats (JSON).
- Utilized core concepts of Java like Multi-threading, collections, Exception handling, Data abstraction and encapsulation, polymorphism, and Inheritance to solve complex problems.
- Implemented task-driven database table design, normalization, indexing, and isolation for optimized query performance and data integrity.
- Created well-structured and accessible web pages using HTML5, CSS3 & Bootstrap styling properties for presentation.
- Skilled in responsive design (flexbox, grid) and media queries to ensure seamless user experiences across different devices.
- Extensive experience with JavaScript (ES6), including its core concepts, functions, arrays, and objects.
- Comfortable working with asynchronous programming, callbacks, promises, and async/await.
- Built interactive single-page applications using React.js to provide a smooth user experience with dynamic content updates. Experience with React components, state, props, and the component lifecycle.
- Used essential React hooks:useState, useEffect, useParams, useNavigation, useContext, useReducer, useMemo, useRef, useForm, useHistory.
- Developed a wide range of reusable functional React components (JSX), such as forms, modals, and navigation bars, to enhance code reusability and maintainability.
- Integrated React Router to enable navigation and routing within the application, ensuring a seamless transition between different views.
- Integrated RESTful APIs and asynchronously fetched data from server endpoints using Axios, ensuring real-time updates.
- Implemented controlled forms with HTML5 (pattern)and react, including input validation and error handling, for enhanced user input experiences.
- Collaborated with team members using Git and GitHub, creating pull requests and reviewing code to ensure code quality and consistency.
- Familiarity with testing libraries like Jest and tools like React Testing Library for ensuring code quality.
- Proficient in using browser developer tools for debugging and troubleshooting code.
- Implemented task-driven database table design, normalization, indexing, and isolation for optimized query performance and data integrity.
- Utilized SQL to manage and query Relational Databases for efficient data retrieval and database maintenance.
- Analyzing existing systems and improving their performance.

Technologies Used: *Java, Spring/Spring boot, Postgres, MySQL, HTML5, CSS3, JavaScript (ES6), jQuery, React.js.*
Company website*: www.smarty.ps*

BATTERJEE MEDICAL COLLEGE, ABHA, SAUDI ARABIA ● 7/2019-4/2021, Private medical school, **Software Engineer.**
- Prepared and documented object-oriented analysis and design, Use Case Specifications, Use Case Diagrams, Class Diagrams, and sequence UML.
- Created database schemas that represent and support business processes.
- Utilized core concepts of Java like Multi-threading, collections, Exception handling, Data abstraction and encapsulation, polymorphism, and Inheritance to solve complex problems.
- Utilized SQL to manage and query Relational Databases for efficient data retrieval.
- Analyzing existing systems and improving their performance.
- Provided support and training for Oracle People Soft and Ultra Blackboard.
- Knowledge of Nutanix and cloud computing infrastructure and hyper-converged infrastructure (HCI) solutions. Company website**:** *www.bmc.edu.sa*

KING KHALID UNIVERSITY, ABHA, SAUDI ARABIA ● 5/2018-6/2019, Public university, **Software Engineer.**
- Developed and implemented software solutions to enhance academic processes, such as student registration, course management, and grading systems.
- Implemented task-driven database table design, normalization, indexing, and isolation for optimized query performance and data integrity.
- Analyzing existing systems and improving their performance. Company website*: www.kku.edu.sa*

KING KHALID UNIVERSITY, ABHA, SAUDI ARABIA ● 9/2012- 4/2018, Public university, **Lecturer.**
Taught various Computer Science classes including Data Structures and Algorithms in Java, OOP in Java, programming Language in C, JavaScript (ES6), CSS3, HTML5, System Analysis and Design.

AZ International Co. HEBRON, PALESTINE ● 2/2011- 3/2012, Contracting company**, software consultation.**
PALESTINE POLYTECHNIC UNIVERSITY, HEBRON, PALESTINE ● 2/2008- 9/2009. Private university**, Lab Supervisor.**
Supervising laboratory software Maintaining and updating the College of Information Technology website. Company website*: www.ppu.edu*

EDUCATION

- **Master of Science in Computer Science (2024)** Maharishi International University, Fairfield, Iowa**.** www.miu.edu **Study the following courses:** [Enterprise Architecture (Spring Boot), Web Application Architecture and Framework (Spring Boot, React), Modern Programming Languages (Java), Mobile Application Development, Web Development 1 in React, Database, WAP (HTML5, CSS3, JavaScript (ES6)] **GPA: 4 out of 4**.
- **Master of Science in Software Technology (2010),** Linnaeus University, Växjö, Sweden**.**   www.lnu.se
- **Bachelor of Science in Information Technology (2008),** Palestine Polytechnic University, Hebron, Palestine GPA: 83.8%   www.ppu.edu

SKILLS & OTHER

- **Languages and Technologies:** Java Core, C#, C, Spring/Spring MVC, Spring Boot framework, Spring Boot web, Spring-security, Spring Data JPA & Hibernate, Spring ORM, Spring validation, Spring AOP, REST API & RESTful web service, Lombok, Maven, Servlets & JSPs, JDBC, POM, Lambdas, Streams, Functional Programming, Junit, ASP.Net, Basic Knowledge of AWS.
- **Web:** HTML5, CSS3(Media Queries, Flexbox & Grid Layout), JavaScript, JSON, XML, React JS, jQuery, Bootstrap, Angular (Academic knowledge).
- **Databases:** MS SQL Server, MySQL, PostgreSQL, Normalization, DDL, DML, Isolation levels and transactions, Indexing, Complex SQL, Relational and non-Relational Data Base.
- **Design Patterns:** MVC, Singleton, Factory, Observer, Decorator, Dependency Injection.
- **SDLC:** Agile/Scrum, Waterfall.
- **Tools:** Eclipse, IntelliJ Ultimate, VS Code, Postman, Microsoft Office full package, MS Visio, GitHub, Maven, outlook, Learning Management Systems (Blackboard).
- **Network**: Knowledge of networking OSI layers, HTTP, DNS, TCP/IP, DHCP, Routers, Gateways, and Subnets.

CERTIFICATIONS

- [3/April/2008-20/December/2008] Certificate of participation in software engineering topic (80 hours, level one, 126 hours, level two,240 hours, level three), hosted by friends of Fawzi Kawash information.