

## SULEMAN ASGHAR

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### SOFTWARE ENGINEER (JAVA)

Talented Software Engineer with more than 4 years of hands-on professional experience in developing high-performing, scalable, web-based software applications while implementing all phases of software development life cycle. Proven experience in building quality code and business layers by analyzing requirements and developing according to specifications. Skilled in using technologies such as Java, Spring Boot, Hibernate, JavaScript, Node.js, Express.js, React, AWS, RESTful, Microservices, Elastic Search, Kafka, MySQL, and MongoDB.

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Software Design / Development • Requirements Gathering • Backend • Database Design  
Debugging / Troubleshooting • Systems Analysis • Microservices • Coding  
Software Development Life Cycle • Object Oriented Code

**Languages:** Java

**Web:** HTML5, CSS, JavaScript, React, Ajax

**Web Services:** RESTful, Microservices

**Web and Application Servers:** Apache, Tomcat

**Frameworks:** Spring (MVC, Boot, Integration, Data, Transaction, IOC-Dependency Injection, AOP),  
Hibernate, JMS, JPA, Node.js, Express

**Databases:** MongoDB, My SQL

**Design Patterns:** Singleton, Factory, Template, Interceptor

**SDLC:** Agile / Scrum, Waterfall

**Tools:** Eclipse, IntelliJ, Visual Studio, Maven, Git, GitHub, Jenkins, Docker, Postman, StarUML, Kafka

**Platforms:** Windows, Mac OS

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### PROFESSIONAL EXPERIENCE

**CAREER NOTE:** Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

#### **Apple (via Advantis Global), Cupertino, California, USA • Oct 2022 – Jan 2023**

Technology company that designs and manufactures a range of electronic devices, computer software, and online services.

##### **Java Engineer**

Developed services for a seamless experience of advertisement on Apple products and conducted a search performance testing. Implementation.

- Conducted search performance test based on filters on Oracle and improved the efficiency by indexing the data in Elasticsearch.
- Wrote an API for typeahead search service using data from the Elasticsearch storage.
- Implemented services for getting the insights and insight summary.
- Worked on Apache Avro Schema serialization and deserialization.
- Implemented Apache Kafka consumer to consume the Avro schema coming from producer.
- Worked on Spring Boot Rest API's using JDBC and Spring Data.

**Technologies Used:** Java, Spring Boot, Elasticsearch, MySQL, Kafka, GitHub, REST APIs, Apache Avro, SQL Developer.

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**QUELLXCODE (PVT) LTD., Islamabad, Pakistan • 2019-2021**

Software company providing custom mobile and web software solutions.

**Junior Java Backend Developer**

Spearheaded backend development and implementation.

- Contributed to requirements gathering, analysis, design, and documentation of applications.
- Implemented several custom projects using Java, RESTful, Spring, Hibernate, and Design Patterns.
- Established Object Relational Mapping with AOP and IOC features of Spring, and JPA / Hibernate.
- Built projects with Maven and used Jenkins for continuous integration and Git for version control.
- Designed Microservices using quality code with Java Spring Boot.
- Established backend business layers with Spring and Web Services.
- Ensured implementation of best practices and patterns including Singleton, Factory, and MVC.

**Technologies Used:** *Java, Spring Boot, REST, Git, MongoDB, MySQL.*

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**COMPUTER XPERTS, Sialkot, Pakistan • 2017-2019**

Web design and development company.

**Software Developer**

Contributed to all phases of software development life cycle using latest technologies.

- Designed and maintained database tables and implemented queries in MongoDB and MySQL.
- Developed endpoints and business layer with Spring Boot and DAO layer with Hibernate.
- Implemented Spring IOC, MVC Framework, AOP, and Boot for responsive applications.
- Contributed to component development using Design Patterns such as Data Access Object (DAO), Singleton, Template, and Factory.
- Developed, maintained, tested, and supported high-quality applications.

**Technologies Used:** *Java, Spring (Boot, IOC, MVC, AOP, Security), REST, MS SQL, MongoDB, Hibernate.*

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**ACADEMIC PROJECT**

**Banking System, MIU (2022):** Developed RESTful Microservice application capable of managing customers, loans, Insurance, and accounts including CRUD operations, search, and JWT authentication. **Technologies Used:** *Java, Spring Boot, Spring Security, Hibernate, Maven, MongoDB, Postman, IntelliJ IDEA, REST, Microservices, Kafka.*

**Student Enrollment System, MIU (2022):** Created backend APIs for Learning Center with CRUD operation for students, courses, and enrollment based on course availability. **Technologies Used:** *Java, Spring Boot, Hibernate, REST, Microservices, IntelliJ IDEA, MySQL Server, Postman.*

**Car Rental System, COMSATS (2016):** Designed and implemented web application based on MVC model architecture to display and manage car rentals. **Technologies Used:** *HTML5, CSS3, JavaScript, React, VS Code, Node.js, Express.js, REST API, IntelliJ IDEA, Java, Spring Boot, MySQL, Hibernate.*

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**EDUCATION**

**Master of Science in Computer Science**

*(In progress via distance education; expected completion June 2024)*

Maharishi International University, Fairfield, Iowa

**Key Courses:** *Fundamental Programming Practices, Modern Programming Practices, Algorithms, Web Application Programming, Enterprise Architecture, Web Application Architecture*

**Bachelor of Science in Computer Science**

Comsats Institute of Information Technologies, Islamabad, Pakistan