

Awwab Siddiqui



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Summary

- An **adept** and **passionate** professional with a steep learning curve along with a distinguished perspective and approach towards **efficiency**, **perfectionism** and **punctuality**.
- Have contributed to development of established industry level software products with international implementations, mainly with **Java** based frameworks accumulating **3.5+ years** of relevant experience in the industry.
- Currently working as a **senior software developer** in a **product based company**, designated primarily as a **project lead** for multiple projects and as the lead **RnD** implementer and **architect**.

Skills

- Web App/API Development
- SpringBoot Framework
- Struts Framework
- Microservices architecture
- MVC architecture
- ISO 27001
- Front-End (HTML/CSS/JS)
- Hibernate/JPA/JDBC
- RDBMS (PostGre)
- Thymeleaf/Freemarker/JSP
- Spring Security
- Junit/Mockito Testing
- Apache Kafka
- Lucene
- OpenCV
- Websocket
- Spring Gateway
- Payment Gateway integration
- Angular
- OSM Map & Live Engineer Tracking
- Fuzzy Search Implementation
- Flutter
- Python (NLP, Data Science/Analytics)
- FastAPI
- Apache Spark/Tomcat
- JAX-RS
- FastAPI
- XMPP
- Eclipse/VSC/STS
- Maven
- Postman
- MongoDB
- GitLab

Professional Experience

Senior Software Developer at GSPL©

[Dec/2022 → Till Date]

Project lead in development of CMS (Cash Management System) software of India using **Spring** Framework and **Flutter** in a **MVC+Microservices** architecture for **mobile** as well as web application. The system is designed for the complete lifecycle of an **ATM**, including installation, maintenance, cash management, security and all other relevant implications.

Project lead in development of **Haier Smart Laundry** (IoT integrated application), with complete backend, website, as well as intervention in app based logic using **SpringBoot**, **Angular** and **flutter**. Currently under development to monitor and allow seamless implementation of completely automated **laundromats**.

Worked as **Full Stack Web Developer** in development and maintenance of an **SMS (Service Management System)** web applications using **Java's Struts** framework, with JSP based frontend along with RESTful API development using Java Web Services for **mobile** application implementation of the same.

{Currently deployed in **India, UAE, KSA, Vietnam** etc. with B2B as well as B2C implications}.

Wrote the entire **security guidelines** and the **PMD/Checkstyle** implementation for the company, including **OWASP** security guidelines implementations.

Currently the “go-to” developer for implementation of any and all new implementations :

- Dynamic **OSM map** implementation (**Location mapping**+clustering) using OSM APIs and **geolocation** and **reverse-geolocation** implementation.
- **Live Engineer tracking** in the map implementation using **Apache Kafka** and **websocket** with location tracking and merging interface.
- **BillDesk payment gateway** implementation with business logic and API integration to utilise API hit-limiting with “30-minute-window” implementation.
- Made an internalised **ChatBox** messaging feature using **XMPP** and **OpenFire** with all popular chat messaging system features for all projects. Went above and beyond to **change/fix/contribute** to the **open-source** library for the same, **architecting** new features from scratch.
- **Fuzzy search** implementation for encrypted data in postgres database for “matching” keywords with 3-way dynamic approach (Ordered, Limited Ordered, Dynamic limited Ordered) with word matching and highlighting.
- Implemented entire **deduplication workflow** using python **FastAPI** and **Apache Spark** to filter through >30L user records to find similar matches based on feedback **learning** loop logic, implementing a **new triple-sharding** approach and using **RDD** cached data to fetch records faster than anything, with **zero to negligible** effect on a running system.

Software Engineer at Credex Technology©

[Nov/2021 ↔ Nov/2022]

Worked in Development and maintenance of an **iPAAS** software to create multiple integration connectors such as **Google BigQuery**, **JMS**, **MongoDB**, **MS Azure** etc. that integrate different softwares for data flow using **Core Java**, **Data structures**, **API behavior**, **Junit**, **Mockito**, **SpringBoot**.

The platform uses connectors and internally automated and mapped functions to seamlessly transfer, connect and use data between different platforms so as to facilitate integration.

Educational Background

Bachelor of Technology, GGSIPU

Computer Science & Engineering

{ CGPA → 85.5 } [2018 - 2022]

Class XII, Dev Samaj Modern School (CBSE)

Physics , Chemistry , Mathematics , Biology , English.

{ PCMBE: 82% || PCM → 88.3% }

Class X, The Frank Anthony Public School (ICSE)

Computers, English, Math, Science (Physics , Chemistry , Biology), Social Studies.

{ Percentage → 83% }

Personal Projects

Attendance Monitoring System With SpringBoot Implementation

Created an automated attendance registering system with facial & voice input parameters .Pushing Database to MySQL , Online Website as well as API Endpoint . (Spring Boot Development).
{Numpy ,Pandas, OpenCV , Face-rec , Dlib , Voice-rec , Pickle , mysql-socket}

JSON to Database & Vice-versa API {SpringBoot}

Created a Java application to transfer JSON data to SQL Database and vice-versa with SOLID principles.
{Json-simple , JUnit , Json-parser , StringUtils}

Dynamic Hibernate ORM based query API

Successfully made a Java implemented application to query a database using Hibernate ORM with dynamic configuration without use of native query.
{Hibernate JPA, SpringBoot, Lombok etc.}

Automated Data Extraction from Google Maps using NLP

Automated dynamic data transfer from Google maps to MongoDB via NLP implementation, Web Scraping and Data cleaning

{Selenium, MongoDB, GCP,NLTK, Beautiful Soup, Pandas, OpenPyxl, HTTP Requests}

BT Controlled Boat using Arduino Nano IoT

Successfully made a multi-propellor boat using Arduino Nano with On-Point Rotation function.
{Arduino nano , Arduino IDE , Other IoT components}

Certifications and Achievements

Certificates

- ISO 27001 Lead Auditor certified
- Google Spring Boot/Cloud {[Coursera](#)}
- Google Data Analytics-{[Coursera](#)}{[Credly](#)}
- AWS Machine Learning {[Udacity](#)}
- IBM Data Science {[IBM/Coursera](#)}
- Python Data Science {[CodingBlocks](#)}
- ARTIFICIAL INTELLIGENCE - {Dell Technologies 38966}
- OVERVIEW SAP SuccessFactor/ S4 HANA - BhuZion Innovations Lab
- Advanced IT Skills by ICT Academy {C. No: G-2022-G2317-0002}

Achievements

- Highest accreditation in company, with early designation promotion (GSPL)
- Highest appraised employee (GSPL)
- Gold medal in National English Olympiad
- MUN {Model United Nations} participant