

# 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, honesty** 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
- 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 postgre 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.

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## Educational Background

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### 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% }

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## Personal Projects

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### 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}

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## **Certifications and Achievements**

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### **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