

## Sajal Gupta

<https://www.salroid.me>

+91-8092771093

[gupta.sajal631@gmail.com](mailto:gupta.sajal631@gmail.com)

<https://github.com/salroid>

Programming Languages

C++, Shell, Java

Oracle PL/SQL

## WORK EXPERIENCE

---

### Sr. Developer, Orbit Shifter

Oct 2017 - Present

Cognizant Technology Solutions, Bengaluru

- Implemented **Scheduling and Execution Solution** for LEGO plant manufacturing using **Siemens Preactor** that enables user to generate plans for each physical machines considering the soft and hard constraints.
- Hands on **Amazon web services** to provide an end to end solution for Siemens Preactor, a DevOps solution to users for hassle free movement of new features from Development till Production.
- Reduced **effort by 80% by power-shell scripting automation for staging tests** in order to move new features to production with verification of previous features working perfectly.
- Reducing effort and complexity for end users by AWS to provide release notes, dashboards and automated reports on emails to validate regular deployments, data integration issues and batch updates.
- Implemented **Supply Chain Solution** for LEGO using **Blue Yonder ESP, IO** – A manufacturing solution that provides a clear view of how demand and supply are related throughout the supply chain.
- Developed **Shell Scripts, PL/SQL Procedures, XML's** used for Daily Batch Processing of JDA Supply Chain Implementation.
- Worked on JDA Modules as **JDA Platform, JDA Enterprise Supply Planning, JDA Order Promiser and JDA Inventory Optimisation.**
- Designed **Automated Batch using CTM** (A tool for Automating Batch for the process) for Strategic, Operational and Tactical Planning of the Supply Chain.
- Reducing Human **Effort by 60% by shell scripting automation** for Application Restart, Batch Reporting, Active Alerts, CTL File Generation, Materialised View Creation/Refresh, Ad hoc Execution.

## PROJECTS

---

- **Clasick - A Classroom App** : An Android app to provide an interaction space to teachers and students in order to exchange different types of knowledgeable contents such as Notes, Doubts, Documents.
- **Smile Foundation India** : An Android app for NGO Smile Foundation to connect with people around the world using regular feeds about their good work towards society.
- **Filmy-Your Movie Guide** : An Android Application for Movie Lovers, *Open sourced project* on GitHub with more than *650 stars*. Uses the Best Practices and APIs as **SQLite, Unit Testing, Content Providers, Cursor Loaders, Volley, Glide, JSON Parsing**, etc.
- **Scout** : A Natural Language Processing project which *processes an e-mail search language and provides the necessary information* (such as Sender, Receiver, Subject, Has Attachment, Attachment Type) from input to search an email. Uses **IBM Watson Machine Learning** for Natural Language Processing.
- **Tic-Tac-Toe** : An **unbeatable tic tac toe** game with **reliable artificial intelligence** implemented in C++. An advanced opponent which chooses it's every move optimally using the **min-max algorithm** and can never lose against a player guaranteed.
- **Coders-Calc** : An Android application to **provide mathematical functionalities** to coders. Enabling them to perform various mathematical operations from a single application. Implemented using various *design patterns* to add new operations easily going forward.
- **Certificate Generator** : A standalone python project to **generate certificates dynamically** individual or multiple. Uses a *JSON config* file to add indefinite texts to a certificate with user pre-defined styles. A *data sheet* mechanism for bulk generation of certificates inputs data using an CSV file specified with N number of texts. Modules like plot and config helps the end users to extract and setup data easily.

## SKILLS

---

<b>Programming Languages</b>	C++, Java, Shell
<b>Web Technologies</b>	HTML, CSS
<b>Database</b>	PL/SQL(Oracle), MS SQL Server
<b>Graphic Design</b>	Adobe Photoshop, Adobe Illustrator
<b>Operating System</b>	Windows, Linux, Mac
<b>Cloud Services</b>	Git, AWS

## EDUCATION

---

- **SRM University** Chennai, T.N  
B. Tech in Computer Science | CGPA – 8.73  
May 2017
- **Satyam International School** Patna, Bihar  
XII CBSE-AISSCE | Percentage – 76  
Mar 2013
- **Vikas Residential School** Ranchi, Jharkhand  
X CBSE-AISSE | CGPA – 8.8  
Mar 2011

## TECHNICAL EXPERTISE

---

- Data Structures and Algorithm
- Database Management System
- Supply Chain Management
- Problem Solving
- Unix Shell Scripting
- Design Pattern

## TECHNICAL EXPERTISE

---

- **Winner of Google Hackathon** held at LNMIIT Jaipur.
- **First in India of Appathon** of CodeFest'16 held at IIT-BHU.
- **Winner of Photo Flexer 2.0** of Cybonito'15 held at SRM University.
- **Winner of Appathon** of TechFest'17 held at IIT-BHU.
- **Cognizant Cheers** award for stellar performance & demonstrating the value of seeking data, knowledge.

## HELPFUL LINKS

---

<b>GitHub</b>	<a href="https://github.com/salroid">https://github.com/salroid</a>
<b>LinkedIn</b>	<a href="https://www.linkedin.com/in/salroid">https://www.linkedin.com/in/salroid</a>
<b>Hackerearth</b>	<a href="https://www.hackerearth.com/@salRoid">https://www.hackerearth.com/@salRoid</a>
<b>Codechef</b>	<a href="https://www.codechef.com/users/salroid">https://www.codechef.com/users/salroid</a>
<b>Play Store Profile</b>	<a href="https://play.google.com/store/apps/dev?id=4697850927188738807">https://play.google.com/store/apps/dev?id=4697850927188738807</a>