Sajal Gupta
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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

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

AWARDS & RECOGNITION

- **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

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