Sajal Gupta
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Programming Languages
Java, HTML, CSS, JS, Angular
Oracle PL/SQL

WORK EXPERIENCE

Sr. Software Engineer   Mar 2021 - Present
Servicenow, Hyderabad

- Enhanced the **Employee Experience** Portal by **designing** and **implementing scalable widget architectures**, **optimizing performance** for seamless functionality, and delivering a highly engaging and cohesive user experience.

- Developed and enhanced **80% of key features on portal** including Quick links, Popular topics, Recommended for you, View as - manager hub, Image editor, Experience feedback, Concur integration for mobile, News center, AI search, Notifications, My Requests.

- Enabled **60% of key features within the mobile framework** to deliver a seamless and unified user experience across platforms, ensuring consistent functionality and feature parity between **native** and **web-based (MESP)** environments for customers.

- Enhanced **Portal Performance by 50%** by enhancing logic in **Java APIs** and **Script includes**, delivering a seamless and fast user experience.

- Addressed deficiencies in the code by **implementing enhancements** and carried out backports to reduce high volume case tasks.

- Revamped the architecture of existing functionalities, empowering customers to **leverage a CDN** on the portal, thereby achieving accelerated page load times.

- Implemented **similarity models** coupled with the **z-score** algorithm to deliver personalized recommendations to users on the portal, consequently boosting portal engagement.

- Successfully delivered **third party integrations** on the mobile platform using **remote tables** and **database views**, enhancing the accessibility and functionality of the Now mobile application.

- Exposure to seismic functionalities while spearheading the portal migration to Seismic, fostering significant learning and expertise in **Seismic** technology along the way.

- Implemented I18N/WCAG compliant features to enhance usability across multiple platforms that includes **Web**, **Now Mobile**, and **MESP**.

Sr. Developer, Orbit Shifter   Oct 2017 - Feb 2021
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.

SERVICENOW PROJECTS

- **Employee Stories - An Intuitive Stories Interface**
  An **AI-powered solution** delivers concise, **easy-to-digest summaries** of important updates, ensuring employees stay **informed and engaged**. With an intuitive interface, employees can quickly act on the latest information through **interactive stories** on the company portal. This not only streamlines communication but also boosts engagement and productivity.

- **Hotspot Section - A Versatile, Admin-Guided, User-Centric Shape-Shifting Widget**
  An **Angular-based** dynamic widget offering a **personalized** portal experience. Users can **customize** its appearance and functionality within **admin-defined rules**, ensuring tailored configurations while maintaining consistency and compliance. This balance empowers users and preserves administrative control.

- **Enhanced Content Tagging - Enhance Engagement with AI-Powered Suggestions**
  Suggest Topics & Content, powered by **machine learning similarity models** and **jelly** at the platform layer, offering **intelligent, efficient recommendations**. By analyzing content associations, this feature accurately recommend topics, enabling employees to tag content to the right topics or suggest relevant topics for existing content, enhancing content discovery and organization.

- **Activity Feed - Smart Activity Feed and Watchlist for Enhanced Engagement**
  Empowering customers to watchlist topic pages and generate a **personalized activity feed** on the portal using **Angular widgets**. This smart feed **dynamically updates based on actions performed on topics**, ensuring users stay engaged with relevant content and updates in real-time.

- **AuditX - Advanced Report Extraction and Custom Analysis**
  A **Node.js** project designed to extract insights from generated audit reports, enabling users to apply advanced conditions through custom code for more tailored analysis and deeper insights.

- **RCA Analyzer - Automated Review of Restricted Caller Access Records**
  A **Node.js** project inputs a local repository with Restricted Caller Access (RCA) records. The tool automatically analyzes these records and generates detailed reports, helping to track and manage access restrictions efficiently.

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	Java, Shell, C++
Web Technologies	HTML, CSS, JS, Angular, REST
Database	PL/SQL(Oracle), MS SQL Server
Graphic Design	Adobe Photoshop, Adobe Illustrator, Figma
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
- User Experience / User Interface
- Design Pattern
- Problem Solving
- Unix Shell Scripting
- Supply Chain Management

ACIEVEMENTS

- **6X Llama Award Winner** for quarterly performance.
- **Winner** of **EX GenAI Hackathon** Nov 2024.
- **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