SANJEET JAIN

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SOFTWARE SKILLS

- **Programming Languages**: C#, Java, C++, Python, JavaScript, Shell Scripting
- **Data Analytics Tools:** Looker, LookML, BigQuery
- **Platforms**: Azure, Windows, Linux, Git, TFS (Team Foundation Server), GCP (Google Cloud Platform)
- **Back End**: MS SQL Server, .NET Core, ADO.NET, ASP.NET, Swagger, Azure API, Power Apps
- **Front End**: Express, Node.js, Handlebars, Angular, VB.NET, TypeScript, HTML5, CSS3, Bootstrap.
- **Software** JIRA, Rally (Kanban), Visual Studio, Postman, Karma, Jasmine, SNYK, SonarQube.

PROFESSIONAL EXPERIENCE

United Parcel Service (UPS) | Software Engineer II   *December 2023-(Ongoing)*

RDMR | Revenue Systems Reporting | GCP,BigQuery, Looker, Shell, Python

- Developed and optimized daily data processing jobs using Shell scripting, resulting in improved efficiency and reduced processing time.
- Implemented a new workflow on Google Cloud Platform, leveraging Cloud Run in Python, Dataflow and BigQuery, to streamline processes. This initiative significantly reduced average processing time from 1.5 hours to approximately 58 minutes, contributing to overall improved efficiency and processing time by 30%.
- Actively collaborated in the development of Looker Reports integrated with BigQuery, providing senior management with crucial revenue data for informed decision-making.
- Developed user audit reports in Looker, leveraging GCP Cloud Run jobs and BigQuery, to streamline monthly and quarterly audits

SAT | Sudledger Automation Too| GCP,Angular, DotNet, BigQuery, AlloyDb, Looker, Shell, Python

- Spearheading and leading development of the Subledger Automation Tool in Google Cloud Platform using Angular 19 , dot net and AlloyDb(PL/pgsql) which will allow UPS to track, manage and take decisions for unbilled revenue which must ultimately be written off, impacting total revenue and operating profit. This tool prompts the billing of yet unbilled revenue, eliminating loss and increasing overall revenue for the company.
- Leading a of developers and taking key decisions for the design and development for the Subledger Automation Tool Web Application ensuring timely development of deliverables for the application across all web, api and database modules and promoting SOLID principles to help developers create maintainable, flexible, and scalable code which reduces redundancy, overhead maintenance and enables parallel development of multiple modules in the application.

United Parcel Service (UPS) | 2023 I.T Internship   *June 2023 – December 2023*

RASP-P | Python Automation Script for Mitigating Manual Impact Analysis of 500+ DataStage Jobs

- The problem involved the need to track and manage items and data structures in a legacy data extraction system efficiently.
- Developed a versatile and efficient Python script to address the challenge of manual impact analysis for 500+ DataStage jobs.
- The solution enabled the team to identify specific tables or data structures associated with each job through a simple query, eliminating the manual effort of searching through over 1000 jobs to identify instances where a particular dataset or database was utilized.
- **Significantly reduced impact analysis duration for over 1000 DataStage ETL jobs from over a day to just a simple query, which now runs in seconds.**
- The Python script processed extensive information on project jobs in DataStage ETL Code and stored them as CSV files.
- The script's adaptability positions it for sharing with other teams throughout the organization, streamlining their data extraction procedures as well.

RDMR | Revenue Systems Reporting | Google Cloud Platform, BigQuery, Looker, Service Accounts

Revenue Data Management Reporting (RDMR) provides the business with a solution that allows UPS to identify, store and reconcile all Small Package billing activity at a transaction level (invoice level) originating from Enterprise Billing System (EBS) and non-EBS billing systems.

Contributions:
- Integrated Google Cloud Platform (GCP) and implemented BigQuery for efficient data processing, resulting in a 60% reduction in report generation time.
- Enhanced data comprehension for business users, leading to better data-driven decision-making.
- Implemented stringent data security measures, ensuring compliance with regulations.
- Conducted user training sessions to improve user proficiency with the new reporting system.
- Preparing to implement a machine learning model for data forecasting using Google Cloud Looker and LookML.

Impact:
- Faster report generation, saving significant time and resources.
- Improved data comprehension for better decision-making.
- Enhanced data security and compliance.
- User proficiency increased through training.

UPS 2023 Summer Hackathon - 3rd Place & Best Presentation Award
Description: Participated in a one-day UPS hackathon, where our team secured 3rd place and received the prestigious Best Presentation Award. Our project focused on enhancing the user experience and promoting sustainability in shipping.
Contributions:
- Led a cross-functional team to develop a Proof-of-Concept (POC) User Experience page that introduced innovative features to the UPS platform.
- Innovated a greener shipping option that incorporated eco-friendly packaging materials and optimized route planning to minimize the carbon footprint of shipments.
- Implemented a custom reward point system, allowing users to earn and redeem points for various incentives, such as discounts on future shipments or partner brand offers.
- Designed a user-friendly portal for tracking reward points, viewing available rewards, and convenient redemption.
- Leveraged Angular for frontend development and Express for web deployment, ensuring a seamless and intuitive user interface.

Achievements:
- Secured 3rd place in the UPS hackathon, demonstrating innovation and excellence in project execution.
- Received the Best Presentation Award for the compelling presentation of our project's capabilities and contributions to UPS's sustainability and customer loyalty efforts.

Infosys Ltd. | *Senior Systems Engineer*   *September 2019 – August 2022*

Responsibilities included end-to-end application development lifecycle including Requirements Gathering, Analysis, Designing, Coding, Testing, Deployment, and Maintenance ensuring seamless transition to new application. This also involved interacting with clients to come up with innovative ideas and suggestions for possible software solutions.

Project 1 | Overtime Approval System (OTPS)
- **Duration**: September 2019 - August 2022
- **Developed applications for the Infosys Internal Department for "Overtime Approval System"** and automated overtime pay calculation for Infosys employees worldwide.
- Managed deployment and maintenance of legacy applications with a global rollout.
- Interacted with end-users to gather feedback and signoff on requested features.
- Technologies Used: ASP.NET, Razor Pages, CSS, JavaScript, Telerik UI (Kendo UI) ,EF Core, SQL Server Database

Project 2 | Legacy Project Maintenance and Modernization
- Worked with a Canadian insurance company to **maintain a legacy project** involving technologies like **ColdFusion, VB.NET and PHP**, also included **re-developing and porting of legacy applications to .NET 5**.
- Implemented and devised new modules on latest technology stacks with complete Front-end and Back-end components to improve user experience and reduce processing time.

- **Built UI using technologies such as ASP.NET, Razor Pages, CSS, JavaScript** and Telerik UI (Kendo UI) and **EF Core** to access the **SQL Server Database** and process data.

Project 3 | Proof-of-Concept | Cloud-Based Automation
- Contributed to a **Proof-of-Concept project for a Dutch Bank** in porting over a paper-based system with manual procedures to a new modern cloud-based service that included automation of transactions using Azure.

Project 4 | Website Development
- Developed a website for an **American Insurance Company** for their internal use to quote customers, **using Angular 6, .NET and MongoDB**.
- **Re-Built policies and web modules based on the legacy application in a modern framework**.

EDUCATION

Stevens Institute of Technology, New Jersey, USA   *September 2022 - December 2023*
- **Master's in Computer Science**
- Relevant Coursework: Enterprise and Cloud Computing, Analysis of Algorithms, Foundations of Machine Learning, Web Development, Deep Learning, Human Computer Interaction, Database Management Systems.

University of Mumbai, India (Thadomal Shahani Engineering College)   *May 2015 - June 2019*
- **Secured Bachelor of Engineering in Computer Science**
- Relevant Courses: Data Structures and Algorithms, Web Programming, Computer Graphics, and Cloud Computing

ACADEMIC PROJECTS

TimeWise Calendar | Express, Nodejs, JavaScript, HTML, CSS, MongoDB, Handlebars, Bootstrap jQuery
- https://timewise.herokuapp.com/ https://github.com/sanjeet-jain/cs-546-group-24-project
- Developed and designed a calendar application as a part of my graduate coursework for web development.
- **Project includes a full-fledged calendar application which allows you to create calendar events with a very interactive and simplistic user experience.**
- **Allows Users to create reminders, meetings, tasks which can be checked off and even notes as a part of their calendar application.**
- Hosted the application on Heroku and created the application on an express webserver with bootstrap and handlebars to design the application.

Automated Traffic Control System – Android Application | *Android Studio, Java, Azure*
- Programmed an application that allows monitoring of live traffic data from google maps API and allows the traffic police to dynamically change the timer of traffic lights.
- Employed the Google Maps API to obtain street data and street maps GUI in the application.
- Implemented a network balancing algorithm to balance traffic in a particular area by automating traffic signals based on traffic density.
- Included functions for routing and managing emergency situations such as giving ambulances/police a clear path through traffic, all controlled from a mobile application.

Railway Management System – Distributed Database Management System | *SQL, Java, PHP, HTML, CSS*
- Designed a search engine using SQL and PHP that parses input string and displays data for trains in India and its routes
- Allowed booking of train tickets through the application, checking status and train information using a PHP page which would parse and run queries on the backend using stored procedures.

EXTRA CURRICULAR ACTIVITIES
- **Recreated life-sized video game characters** by rendering 3d models to paper-based models and was photographed for an online article in May 2019 in Mumbai (Cached Article Link)
- **Competed in gaming tournaments (eSports)** organised by ESL, NODWIN Gaming and Drag2Death and served as a community manager for organising and handling online tournaments for Elite Hubs from December 2018 to June 2020 (www.facebook.com/officialelitehubs/)

- **Handling an Instagram page since September 2020**. Conceptualizing content regarding baking and confectionary (https://www.instagram.com/__sweet_sins)