Vikas Virani

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**SUMMARY:** Self-motivated, flexible, and proactive (2xSalesforce certified) professional, on a journey to become an architect, graduated from RMIT University in MS in Data Science in June 2020. Additional 4 years of professional experience as Software Engineer/Salesforce Developer/Consultant. Specialized in Salesforce Cloud, Machine Learning, Software Engineering, Artificial Intelligence, Business Intelligence, Data Mining and Large-Scale Analytics.

**EDUCATION:**

* **Master of Science in Data Science Jun 2018-Jun 2020**

*Royal Melbourne University of Technology, Melbourne, Australia.* ***Cumulative GPA: 3.9 of 4.0***

**Coursework:** Statistics, Practical Data Science, Social Media & Network Analysis, Web search Engine & Information Retrieval, Data Mining, Large Scale Analytics, Big Data Processing, Artificial Intelligence, Machine Learning, Object Oriented Programming.

* **Bachelor of Engineering in Computer Engineering Aug 2012-May 2016**

*Gujarat Technical University, India.*

**Coursework:** *Data Structures, Design and Analysis of Algorithms, Database Concepts, Operating System, Compiler Design, Computer Networks, Object Oriented Programming, System Software, Software Engineering.*

**TECHNICAL SKILLS:**

**Proficient:** Salesforce Cloud (Business Analyst, Administrator, Developer & Consultant). Informatica ETL Cloud (Developing & Administering Data Integration and Migration Jobs) & Apttus CPQ (Configure, Price, Quote). Data Structures and Algorithms, Machine Learning, Python, R, Data mining, Big Data analytics, Java, Relational Databases, SQL, PL/SQL, Advance JAVA - J2EE, C, C++, **Salesforce.com Certified Platform Developer** **I (PD-1) and Salesforce certified Administrator.** Salesforce Cloud: **Sales, Service, Marketing, Financial Services, Community Cloud**, **Non-Profit Success Pack**.

**Intermediate:** Cloud Architecture, AWS (API Gateway, EC2, ECS, RDS, S3, VPC), Apache, MongoDB, Database Systems, C# .NET, Web Development. Exceptional Statistics & Calculus knowledge, Experienced in Agile Methodology and DevOps Principles. Significant Understanding on AR (Augmented reality), VR (Virtual Reality) and Block chain Technology.

**Basics/Familiar:** Docker, Kubernetes

**Scripting Language**: JavaScript, PHP, HTML, CSS, UNIX Shell scripting, AngularJS, Node.js, React.

**Tools:** Eclipse, Shell Terminal, MySQL, SQLite, RStudio, Power BI, Tableau, .NET Framework, Visual Studio, Jupyter Notebook, Atom, PyCharm, Hadoop, Eclipse, Git, Apache Kafka, Tomcat, JavaFX, Project management tools (Bitbucket, JIRA etc.).

**Business Skills**: Strong verbal, presentation and written communication skills. exceptional organizational and time management skills.

**WORK EXPERIENCE:**

# Salesforce Developer, Creativemass, Australia September 2020 – Current

* Work with product owners as well as project managers to define product deliverables and timelines, liaise between technical architects and developers to clearly design/architect solution as well as provide sprint estimation based on the efforts required for the solution.
* Following agile best practices with daily standups and sprint planning and estimations.
* Effectively managing team of 2 developers along with frequent code review tasks.
* Organizing and providing trainings, workshops, tools and best practices solutions on salesforce to the entire development team in order to build robust product more efficiently.
* Being salesforce ISV, providing AppExchange app for financial services on top of Salesforce, extensively worked on package development model using Salesforce DX/Salesforce CLI.
* Implementation of different apex classes/controllers, triggers, test classes, Aura components, Lightning web components (LWC), all admin level configurations and Reporting using reports and dashboards.
* Participate in development workstreams, from design through testing and deployment.
* Fix any defects and performance problems discovered in testing.
* Document the application to facilitate maintenance.
* Participate in ‘Go-Live’ support and testing activities.

# Salesforce Developer and Consultant/Architect, TEAR Australia July 2018 – Current

* Work with Sales and Marketing teams as well as IT manager to define deliverables and deadlines, designing/architecting & developing solutions based on requirements.
* Managing multiple project components and competing deadlines.
* Consulting with cost effective implementation of user requirements on the Salesforce platform.
* Recommend & Integrate third party applications into salesforce to cater the requirements.
* Build different components like salesforce hosted sites, custom payment processing module, custom records importer in salesforce, Implementation of different apex classes/controllers, triggers, visualforce components and pages, Lightning web components (LWC), data Integrity, Reporting using reports and dashboards and all admin level configurations.

**Data Science Intern, Ford, Australia Mar 2020-Jun 2020**

* Worked on a project of “Automated Warranty Claims Analysis” using Machine Learning and NLP.
* Created a machine learning model which leverages the customer comments provided by vehicles users along with additional vehicle information to predict, which Failure Mode does a warranty claim belong to. Combination of multiclass classification and NLP (Natural Language Processing) techniques were used to build a final production ready, deployable model.
* Executed several classification algorithms for accurate prediction.
* Applied pre-processing techniques, Performed model selection, hyper-parameters optimization, specific measures-based visualizations, and recommendations to users.
* Generated comparison of optimal parameters, runtime, and test error on applying different classification algorithms like KNN, SVM, Logistic Regression, Random Forest, Bagging and XGBoosting along with OneVsRest and Multilabel classification techniques.

# Software Engineer/Salesforce Developer, Tech Mahindra Ltd., India Aug 2016 – Jun 2018

* Project implementation using Agile model with daily sprint meetings and task management using JIRA.
* Business data analysis using Tableau & Power BI for better data analysis and business stories visualizations.
* REST & SOAP API Integration in salesforce and various other components as per the client and application requirements.
* Designed, Implemented, and deployed the Custom requirements on Salesforce platform from all admin level configurations like user management, profile & permission sets, sharing settings, object and field level permissions, org-wide access, workflows & validation rules, process builders and automations, sharing rules, approval requests etc. to developer level changes on apex classes/controllers and triggers, visualforce pages and components, job scheduling, queue handling, lightning applications/components, maintaining static resources and custom settings.
* Work with Sales and Service teams, Monitor and create SQL queries & mappings in Informatica cloud to migrate the data into client’s Salesforce production org from multiple existing Oracle or other distant data sources of client to generate active reports and maintain data integrity.
* Experience as a Salesforce.com (SFDC) Consultant with proficiency as a Developer & Administrator.
* Completed 6 months ELTP (Entry Level Training Program) initially with an average score of more than 80% in subjects like Software Engineering, Core and Advance JAVA, UNIX Shell Scripting, SQL, PL/SQL and Web technologies like HTML, CSS, JavaScript, JSP Followed by a Case study Project of “Library Management System” Website using JAVA J2EE, SQL, PL/SQL, JAVA BEANS and followed MVC Architecture.

**SALESFORCE PROJECTS:**

**Some of the salesforce projects that I have done are as below:**

**Live Donation Interface**

* Created an App for internal users with Interface to enter data & process a donation payment from donors using Webservice call to Payment API. Interface, along with apex classes & triggers, creates all records like opportunity, products, contacts, accounts, custom payments object etc. from one single screen, which increased the productivity of users by more than 75%.

# App to import Direct Bank transfer export file into the system

* Created an App which processes uploaded bank transaction file automatically for donations made using bank transfers & creates opportunity for each transaction along with account/contact/campaign search based on reference in transaction, payment record creation as well as auto assignment of products. App can automatically match & populate transaction/opportunity with Account/Contact/Campaign and remember it for subsequent future import using separate attributes object (to identify which attributes are assigned to which account/contact/campaign) as well as users can match/change it from a single interface and bulk create all opportunities in one go. This app significantly reduced the processing (more than 90%) time taken by internal users by automating manual repetitive operations of creating these records.

# Data Integrity & Roll Up Schedulers

* Created multiple scheduled classes, executed throughout the day to maintain data integrity as well as to calculate npsp and other Amount/Donation roll ups on account/contact/campaign/opportunity etc. objects.

# Email Automation

* Created a new Automation using apex email messaging and object with various fields which sends email automatically to multiple user groups on different dates based on different values set in those fields.

# Useful Gift ShopSite

* Created a salesforce hosted site using VF page, Apex controller, SOAP API call to payment processing API, along with all data security considerations in which supporters can select useful products/gifts they want to donate and can make a payment; all of this information is stored in salesforce in multiple objects along with automated email confirmation with receipt of payment to Donor.

# Donor Automation

* Created multiple automations to calculate donation statistics for all accounts and contacts to identify potential and current Major donors. It also provides overall reporting using reports & dashboards on previous major donors and how trends are changing in donations according to time, season etc.

# Batch Review Interface

* Created an interface which displays all related objects’ information for each opportunity that is selected in a batch. From this interface, internal users can check the data integrity of all related objects as well as change any field value of any object from within a single screen, making it transparent to compare how data is populated. This interface, which uses visualforce page, visualforce components and apex classes to cater this requirement, reduces users’ efforts by more than 80%.

# Webform Submission

* Created a custom object which intermediately stores all the information that was submitted through webform and then by using just one button click, it pushes all data to 20 different objects and handles all automation. This was built to prevent data duplication, maintain data integrity by avoiding phishing or unnecessary data coming from web to be directly stored as records in primary objects. Instead users can review data in the custom object, remove some of them if it is not right, and then store it to their respective objects using one button click. It was also automated to execute overnight instead of button click each time to reduce user efforts.

**Trailhead Profile Link** - <https://trailblazer.me/id/vikasvirani>

**ACADEMIC PROJECTS:**

* **GitHub Link -** <https://github.com/vikasvirani>