Name: Vishuwaesh Srinivasa Balaji  
Position: Senior Associate Product Manager ( Product Manager II)  
Start Date: 6th February 2023

1. **Project: Risk Management and Supply Chain Resiliency for T-Mobile (TMO)**

**Objective:**  
Develop a risk management solution to identify, simulate, and resolve potential supply chain disruptions for T-Mobile, leveraging advanced analytics and supply chain visibility tools.

**Project Details:**

1. **Event Detection and Resolution**
   * **Process:** Integrated **Resilinc API** to pull real-time disruption events categorized as natural, transportation, human, or business disruptions. Used **Postman** to test, document, and validate API endpoints during development.
   * **Key Features:**
     + Automated resolution identification for SKUs, including alternative SKUs, suppliers, or stock availability.
     + Enabled planners to take proactive measures by simulating potential disruptions and planning resolutions effectively.
2. **Supply Chain Simulation:**
   * **Capability:** Allowed planners to simulate events by selecting specific suppliers, SKUs, and locations to predict and assess impacts.
   * **Outcome:** Enhanced preparedness for threats by estimating duration, affected sites, and stock-on-hand compared to forecasted demand.
3. **Supply Chain Network Visualization:**
   * **Deliverable:** Developed an end-to-end supply chain network view, extending visibility up to Tier-5 suppliers.
   * **Benefit:** Enabled a comprehensive understanding of material flow and dependency tracking.
4. **Event Dashboard:**
   * **Description:** Built a planner-focused dashboard highlighting major supply chain threats for immediate action.
5. **Value-Added Deliverables:**
   * **Resiliency Score Tracking:**
     + Tracked month-over-month resiliency scores for suppliers and their locations to monitor improvement or degradation over time.
   * **Material Flow Analysis:**
     + Modeled material flow across locations, identifying inventory bottlenecks and demand trends.
   * **Commodity Mapping and Simulation:**
     + Mapped SKUs and material groups to equipment types and commodities.
     + Simulated commodity-level threats to assess and mitigate risk.

**Tools & Technologies Used:**

* **Data Integration & APIs:** Resilinc API, Postman
* **Database Management:** SQL, Snowflake
* **Visualization Tools:** Tableau, o9 Platform Dashboards
* **Analytics & Simulation:** Python (Pandas, NumPy, Matplotlib)
* **Collaboration & Workflow:** Microsoft Teams

1. **Project: Order Management Dashboard for T-Mobile Warehouses**

**Objective:**  
Develop a comprehensive dashboard for T-Mobile’s warehouse site managers to monitor and manage order types and statuses efficiently.

**Project Details:**

1. **Dashboard Development:**
   * **Purpose:** Designed and implemented an interactive dashboard to provide warehouse site managers with a consolidated view of all order-related information, enabling real-time decision-making.
   * **Key Features:**
     + Displayed various order types (e.g., inbound, outbound, returns).
     + Monitored real-time order statuses, such as pending, in-progress, completed, and delayed orders.
     + Highlighted priority orders requiring immediate action.
2. **User-Centric Design:**
   * **Customization:** Tailored the interface to meet the specific needs of site managers, ensuring easy navigation and clarity in data presentation.
   * **Insights:** Provided critical KPIs, including order volume trends, SLA adherence, and performance metrics.
3. **Scalability & Flexibility:**
   * Built the system to accommodate varying warehouse sizes and order complexities.
   * Enabled drill-down capabilities for managers to explore order-level details for specific sites.
4. **Real-Time Data Integration:**
   * **Process:** Sourced data from T-Mobile’s order management system through API integration, using **Postman** for API testing and validation during development.
   * Supported live updates to ensure managers had the most current data.

**Tools & Technologies Used:**

* **Data Integration & APIs:** Postman
* **Database Management:** SQL, Snowflake
* **Visualization Tools:** Tableau, o9 Platform Dashboards
* **Front-End Development:** o9 Platform customization for user interface
* **Collaboration & Workflow:** Jira, Microsoft Teams

1. **Project: Development and Migration for o9 Solutions' In-House Template Product**

**Objective:**  
Enhance and standardize o9’s in-house template product to serve as a scalable solution for future clients, enabling quicker implementations and streamlined functionality.

**Project Details:**

1. **Template Development and Feature Implementation:**
   * **Workspaces:** Designed and developed tailored workspaces to accommodate diverse client requirements across industries.
   * **Pages and Layouts:** Created user-friendly pages and intuitive layouts to ensure seamless user interactions.
   * **Action Buttons:** Built dynamic action buttons to improve template usability and navigation.
   * **Features:** Added essential functionalities to make the template robust, scalable, and adaptable to various client use cases.
2. **Migration to the Template:**
   * Led the migration of existing features, workflows, and data into the new template framework, ensuring consistency and alignment with design standards.
3. **Documentation Ownership:**
   * Created and maintained comprehensive documentation, including user guides, developer notes, and feature descriptions, to support internal teams and clients.
   * Standardized processes and documented all development efforts to ensure ease of handoff and scalability for future projects.
4. **Collaboration and Support:**
   * Worked closely with cross-functional teams, including product managers and developers, to align template features with business goals and client needs.
   * Supported internal teams in implementing the template during client engagements.

**Tools & Technologies Used:**

* **Template Development:** o9 Platform customization
* **Collaboration & Documentation:** Microsoft Teams, Draw.io