

SHUBHAM NAGAPURKAR

Automation Engineer

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Portfolio | LinkedIn | GitHub | HackerRank

EXECUTIVE SUMMARY

Experienced PLM Change Analyst and Automation Engineer with over 3.3 years of expertise in managing Product Data Changes using Agile PLM & ERP BaaN. Proficient in developing automation solutions with VBA, RPA (UiPath & Automation Anywhere), SQL, and Power BI to enhance process efficiency. Adept at BOM scrubbing, NPI, ECO, MCO, PCN Analysis, and collaborating with cross-functional teams. Self-motivated with excellent problem-solving skills, I have hands-on experience in Agile PLM, Infor BaaN, SAP, and other lifecycle management tools, consistently driving process improvements and managing multiple projects effectively. Eager for new challenges and opportunities to leverage skills for impactful results.

EDUCATION

Savitri Bai Fule Vidyalaya

General Studies SSC

Percentage: 91.40%

Kannad

June 2016 - March 2017

Vasantrao Naik Mahavidyalaya

PCM-Electronics HSC

Percentage: 55.23%

Chhatrapati Sambhajanagar

July 2018 - May 2019

Cusrow Wadia Institute of Technology

Electronics & Telecommunication Diploma

Percentage: 96.59%

Pune

August 2019 - August 2021

EXPERIENCE

Flextronics India Pvt Ltd | Junior Engineer - ECM - GBS

Pune | January 2022 - May 2025

- **Change Analyst** - Product Data Management & Product Lifecycle Management
- **Automation SPOC** (Single Point Of Contact)
- **Engineering Change Orders**, Bill Of Materials, Manufacturing Change Orders, Product Change Notification, Document Control.
- Develop **Visual Basics MACROs** as per requirements to automate various tasks and improve efficiency.
- Proficient in **BOM scrubbing, ECO, MCO, NPI**, PCN Analysis, and Validation, Document handling (SOP/ E-DMS) as per customer's requirement and process requirement.
- Utilized **Kinaxis RapidResponse** to support demand planning and material scheduling for efficient supply chain operations.
- Work on multiple demand planning reports related to customer and **forecasting**.
- Worked closely with **cross-functional teams including Engineering**, Quality, Manufacturing, Component Engineering, Procurement and **Supply Chain** to ensure effective communication and **collaboration**.
- Supported **inventory analysis** and order fulfillment by ensuring accurate BOM updates and collaborating with procurement team.
- **Self-motivated and proactive.**
- Excellent **analytical and problem-solving skills.**
- Participated in **process improvement** initiatives and contributed to **continuous improvement**.
- Analyzed and resolved process backlogs by **automating** repetitive tasks using **VBA** and **UiPath**, reduced manual efforts by 75%.
- Developed **Power BI dashboards** and reports to provide actionable insights for engineering and supply chain teams.
- Handled **multiple projects** simultaneously and met project deadline.
- Worked on **Automotive as well as Networking Segment**.
- Ensuring precision and timely updates for **SOP, FMEA, Mistake Proofing and Control Plan documents** to **optimize processes and quality control**.

- Excel expert adept at harnessing **Power Query, Power Pivot, Advanced Formulas**, Lookups, and Dynamic Charts to transform Data into actionable insights.
- Developed a dynamic **Power Apps dashboard** to centralize insights, integrated VBA automations with SharePoint for seamless site and department-specific folder access, and crafted a visually stunning QC tool to **streamline** quality control processes.
- Contributed to improvement initiatives, including **Kaizen, IKW, and SGA** to enhance efficiency and achieve targeted goals.

SKILLS

Programming Languages:	Visual Basics for Application(VBA), RPA, SQL, Python, C#, C++, XML, HTML, VB Scripts
Libraries/Frameworks:	VBA, Outlook VBA,
Tools / Platforms:	Oracle Agile PLM, Infor BaaN ERP, PTC WindChill, Siemens TeamCenter, Power Apps, Power Bi, Tableau, RapidResponse(Maestro) Kinaxis, BPM, UiPath Studio, SQL, SAP, Power Apps, PTC Arena PLM, Empower PLM, Omnify PLM, Visual Studio Code, Outlook, Excel, MS Access, phpMyAdmin, Power Automate, Automation Anywhere
Databases:	SQL, MS SSIS, MS SSMS, SSRS (Fundamental)
Softwares:	Matlab, Eagle PCB, Proteus, Multisim (During Academics - For Electronics Circuit Simulation and Design)

PROJECTS

Automation To Implement Dynamic Database Macro *VBA Macros, SQL, BOX, UiPath RPA*

- It was great project to explore different scenarios that are part of the **Engineering Change Management**. I worked with the site engineers to get the requirement fulfil. The challenge was to overcome **large data** set management without any discrepancy.
- The **Automation** was become very useful to handle large data with very least time to validate. Also the **Dashboard** was so easy to understand & functional to get the best of it.

RPA Automation End-To-End *Uipath RPA Automation*

- As our process was 100 % Manual, we planned to focus on **Automation** to reduce this Manual Repetitive Tasks to Improve efficiency.
- We successfully implemented an **End-To-End Robotic Process Automation (RPA)** project to eliminate 100% of the manual effort involved in creating Engineering Change Orders (ECOs). The solution **automated the entire process** from receiving customer requests to generating ECOs in Agile PLM and seamlessly flowing data into BaaN ERP.
- Leveraging tools such as UiPath Studio, Orchestrator, Oracle Agile PLM, RapidResponse Kinaxis, BPM, Infor BaaN IV & V, VBA Macros, VB Scripts, Tableau, SQL, .Net Application, Remote Server and Outlook, the **project achieved an 80% reduction in manual work** while significantly **enhancing operational efficiency**.

Master Data Quality Check *BaaN ERP, SQL SSMS, MS Access*

- We implemented a Master Data Quality Check system using an **ETL** (Extract, Transform, Load) process built with VBA Macros, SQL Server Management Studio (SSMS), and MS Access. The solution extracts data from BaaN ERP every three hours, transforms it, and loads it into SQL Server. From there, VBA Macros fetch the data, generate templates, and validate customer changes against the Flex BOM, ensuring **compliance with all Standard Operating Procedures (SOPs)**.
- This ETL process significantly reduces errors by continuously verifying the **integrity of ERP data** and upcoming changes, enhancing **system reliability** in conjunction with Agile PLM.

Web Task Automator *Selenium IDE, Selenium Web Driver, Chrome*

- I leveraged Selenium Web Driver to **automate repetitive tasks** within a web application, streamlining workflows and **boosting productivity**. By developing automated scripts, I eliminated manual intervention in routine processes, reducing task execution time and minimizing human error.
- This solution enhanced operational efficiency and ensured **consistent performance** across the web application, complementing broader system objectives.

Automation SPOC

VBA, RPA

- **BOM Analysis Automation:** I designed a VBA macro to automate Bill of Materials (BOM) analysis. It extracted data from multiple sources, conducted cost and efficiency evaluations, and generated reports, saving 20 hours of manual work weekly.
- **Department-Wide Automation:** I built a suite of VBA macros tailored to various departmental needs. These macros tackled repetitive tasks, boosting data processing speed by 40%, improving decision-making, and lowering operational costs.
- **Process Efficiency Improvements:** My macros optimized workflows across projects, delivering significant time savings and contributing to overall cost reductions.
- Developed 50+ Macros in Last Year, with improving quality and time reduction.
- User Requirement -> Brainstorming Solutions -> Developement -> UAT -> Production
- Worked on Improvement, Enhancement & Development of New Solutions Based On Business Requirement For Process Optimization & Efficiency.

CERTIFICATIONS

- SQL - **HackerRank**
- ETL In Python & SQL - **LinkedIn**
- Agile PLM Super Engineer - **Agile PLM**
- Tata Group GenAI Powered Data Analytics - **Forage**