

PULKIT KHURSIJA

TECHNICAL PRODUCT MANAGER / OWNER



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[Publication](#)

PROFESSIONAL OVERVIEW

Results oriented **Technical Product Manager** with **4+ years** of experience. Have prior experience as **Product owner** and have also worked in the software industry as a **Software Developer**. I expertise in developing and executing strategic **product roadmaps**, managing **cross-functional teams**, and launching innovative **AI based solutions**. Strong background in identifying emerging **market trends**, leading new **product development**, **advanced sensing**, **vision**, **AI-powered solutions**, and competitive analysis.

WORK EXPERIENCE

Software Product Manager

Renotek Group, LLC., Piscataway | 2023- Present

- **Defined and executed the** smart home product roadmap by aligning **technology strategy** with **business growth initiatives**.
- **Researched** and, also **implemented** smart home device integration **strategies using** AI, advanced sensing, and IoT platforms.
- **Collaborated** with teams such as **engineering** and **marketing** to **develop and launch connected home accessories**.
- **Led** cross-functional teams in-order to **introduce new IoT-enabled products and sensors**.
- **Conducted** competitive analysis and customer research to **identify opportunities** for product innovation.

Solutions Engineer/ Product Owner

Codeboxx Solutions, St Petersburg | 2023- 2023

- **Managed** smart device integration strategies **using** IoT and cloud technologies.
- Performed **“technical feasibility analysis”** to assess product development opportunities.
- **Collaborated** with different development teams to ensure seamless connectivity between all **smart home devices**.
- Performed **financial analysis** and designed **product roadmaps** to ensure profitability and competitive positioning.

Software Product Owner

Denken Solutions, Irvine | 2023- 2023

- Led the integration of **AI** capabilities into **software solutions** by leveraging knowledge of **Python, TensorFlow, Stable Diffusion, and OpenAI** to optimize project workflows and enhance performance.
- Played a crucial role to implement **AI solutions** (using Python, TensorFlow, and other ML technologies), demonstrating my proficiency in **AI/ML practices**.
- Managed **database programming**, by utilizing **SQL and PL/SQL with Oracle** to develop **robust stored procedures, functions, and triggers**.

Software Developer

Imagery LLC, Beavercreek | 2022- 2022

- Developed a **Spectral Analysis Tool** for processing **drone footage**, to enhance the accuracy and efficiency of image analysis.
- Implemented **“bit masking”** techniques to exclude irrelevant pixel areas in composite images, reducing computational requirements for calculation of **Vegetation Indices (VI)**.
- Performed analysis and removal of unwanted objects, such as buildings and humans in images, to facilitate precise calculation of vegetation indices, resulting in **70%** usable data.
- Achieved a remarkable accuracy rate of 0.91 in determining Vegetation Indices for pixels identified by the bit mask.

Assistant Systems Engineer

Tata Consultancy Services, New Delhi | 2019- 2021

- Successfully delivered a real-time **AI chatbot** application, including features such as **automatic sentence detection**, suitable **query response**, **predictive replies**, and ticket initiation
- Developed a **prototype** of an industry-based **drone/UAV** for **Intel Corporation** in an Agile environment, performing flight operations, real-time FPV footage transmission, and a precise GPS-based location service
- Implemented techniques in Data Mining, Extraction, Warehousing, Image Processing, Data Encryption, and Security of Distributed Systems.
- Worked on **API Development** using **NPM** packages and **Express Framework** as a front-end developer in a team size of 21 people.
- Worked with over **50 startups** across India under the Indian Governments **“Startup India Campaign”** with TCS as technology partner.

SKILLS

Product Management

Agile, Scrum, Product Roadmaps, Backlog Prioritization, Stakeholder Management, Requirement Gathering, Release Planning, User Story Writing, Business Process Mapping, Facilitation of Large Groups

Technical

Financial Data Analysis(SQL, Pandas), Payment Processing Systems, Python, AWS, REST API's, Machine Learning (TensorFlow, Keras, Scikit-learn, OpenCV, Pandas), CI/CD Pipeline

Tools

Jira, Confluence, Postman, Jenkins, Git, Tableau, Financial model forecasting

Soft Skills

Leadership, Cross-Functional Collaboration, Data-Driven Decision-Making

EDUCATION

Master's degree

Wright State University
2022

Bachelor's degree

AKTU University
2019