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Profile

A product management professional with 7+ years of experience in leading more than 4 cross-functional teams, creating more than 6 new products and features, 5 patents, and achieving more than $1M in cost savings.

Work Experience

Junior Product Manager   09/2021- Present
KONUX, GmbH

- Collaborated with senior product managers to define product vision, strategy, and roadmap for the KONUX SWITCH platform, targeting railway infrastructure companies.
- Led a cross-functional team of 4 professionals from analytics, hardware, and customer success departments for the time-critical "Blade" product initiative.
- Gathered and synthesized customer feedback, user research, and usage metrics using Productboard, Jira, Confluence, and Pendo to define Minimum Viable Products (MVPs), drive product enhancements and prioritize features.
- Managed end-to-end product lifecycle development of key features (Asset Map, Alert management system , and Automated report generation) for different clients like Deutsche Bahn & Network Rail.
- Enhanced product development process and definition of done to streamline cross-functional workflow for optimal efficiency.
- Created user stories, feature specifications, and acceptance criteria for development teams using Agile methodologies.

Co-Founder/Lead Product Architect   12/2018 – 07/2021
Hermit Labs, Freiberg, Germany

- Founded a start-up with a team of 4, providing IoT-based analytics solutions to mining and metal industries, with clients like Tega Industries and Tata Steel, and 3 projects valued at €20k in the first year. ⬀
- Led the strategy, product development for both hardware and software, and in-life optimization of MineSense- a sensor-based analytics & decision-making tool kit for the mining industry providing 30% more productivity gain. ⬀

Product Development Lead- Team Digital, Mission 3   07/2020 – 10/2020
Futury GmbH, Frankfurt, Germany

- Led product development, collaborating with FC Bayern Munich, Allianz Arena, and Deutsche Telekom to introduce sustainability in football. ⬀
- Conducted design thinking and user research with Bain & Co to assess the needs of 3.2M fans and developed FanBloc mobile app prototype in 3 months using Adobe XD & Flutter.

Intern - Digitalization   04/2017 – 09/2017
The Linde Group, Munich, Germany

- Designed and developed remote support applications for plant technicians, utilizing augmented reality and smart glasses (e.g., EPSON BT 350). ⬀
- Innovated a prototype artificial intelligence-powered edge computing IoT device to enable predictive maintenance of valves, resulting in a 5% reduction in downtime.

Senior Research & Development Engineer   07/2011 – 09/2015
Tega Industries Limited, Kolkata, India

- Invented a wireless system for wear measurement, monitoring of polyurethane screen deck media, and rubber chute liners based on the Internet of things resulting in 15% lesser downtime in maintenance operations.
- Built an indigenous software called **SIMEFF** using Visual Basic and mathematical modeling, currently being used at Tega industries resulting in 30% more efficient screen panel designing and $1.2M cost savings. ⬀
- Headed a team of 4 in the development of a modular trommel screen for easier transportation (Jointly with the Indian Institute of Technology, Kharagpur).

Education

MBA- International Management of Resources and Environment   10/2015 – 10/2019
Technische Universität Bergakademie Freiberg
Subjects: Information Management, Investment and Finance, Project Management, Operations Management, etc.

Post Graduate Diploma in Mineral Processing   05/2010 – 06/2011
Institute of Mineral & Material Technology, CSIR, Govt. of India.

Bachelor of Technology in Mining Engineering   03/2005 – 03/2009
Government College of Engineering, Biju Patnaik University of Technology, India.

Languages

German – Limited working proficiency   English – Full working proficiency   Hindi – Full working proficiency

Keys Skills

Product Strategy	Product Roadmap	Market Analysis	Agile Development
Cross-functional Collaboration	Metrics Tracking	Go-to-Market Strategy	Design Thinking
Data Analytics	Automation	Machine Learning	UI/UX

Technical Skills

- Product Management   Productboard, Jira, Confluence, HubSpot, Figma, Pendo.
- Data & Statistical Tools   SQL, Strata, SPSS, R, Microsoft Power-BI, Microsoft Azure Cloud, Tableau.
- Web Technologies   HTML, CSS, JavaScript, Firebase, AWS, Google Cloud, Flutter.
- Programming Languages   C, C++, TypeScript and Python.

Licenses & Certificates

- Certified Scrum Product Owner.
- IBM Certified Enterprise Design Thinking Practitioner.
- Industrial IoT on Google Cloud Platform.

Publications & Seminars

- Developing a remote data acquisition, production information, and visualization system in the mineral processing industry based on the Internet of Things. ***International seminar on mineral processing technology MPT'14***
- Big data management and business intelligence in mineral processing industries in India. ***MPT'17.***

Patents & Projects

- IoT-based vibrating screen media wear measurement system. ***WO 2014136121 A1.***
- Trommel assembly- modular easy to transport trommel structure ***US 9364864 B2.***
- Snap-fit fixing system for a new type of fixing arrangement for vibrating screen media. ***US 9327318 B2.***
- Trommel assembly having a spiral assembly with a decaying pitch. ***US 20160129477 A1.***
- ARIDuA (Autonomous robots and the Internet of Things in underground mining) at TU Freiberg.

Honors & Awards

- Hermit Labs was one of the top 5 finalists out of 70 European startups in EIT Jumpstarter 2019.   11/2019
- Hermit Labs was nominated for the audience award at futureSax-2019 out of 20 different startups from Saxony.   06/2019
- Was selected for the 3rd Massachusetts Institute of Technology- Media Lab design innovation workshop in India out of more than 50000 applicants.   01/2015