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Mithila Ghuge

Product Owner / Product Manager

Profile

Experienced Product Owner with expertise in IoT, agile product management, and software development. Skilled in defining strategic product visions, driving roadmap execution, and leading cross-functional teams to deliver innovative solutions in fast-paced environments.

Work Experience

- 01/2023 – Present **Product Owner – IoT, Enpal B.V., Berlin, Germany**
- Spearheaded the development and execution of the product roadmap for solar energy monitoring systems, aligning technical implementation with business objectives.
 - Authored comprehensive business requirement documents in collaboration with stakeholders to drive consensus and clarity.
 - Led product design and development lifecycle from concept through delivery with cross-functional engineering teams.
 - Established resilient, scalable architectures leveraging Microsoft Azure serverless event-driven technologies and IoT Edge devices.
 - Directed Agile ceremonies including sprint planning, backlog grooming, retrospectives, and stakeholder reviews, optimizing team productivity.
 - Automated Jira workflows to streamline sprint execution and enhance operational efficiency.
 - Managed incident response processes by coordinating effectively with cross-disciplinary teams.
 - Maintained domain expertise in solar hardware components such as inverters, batteries, wallboxes, heat pumps, and virtual power plants (VPP).
- 07/2022 – 01/2023 **Software Developer – IoT, Enpal B.V., Berlin, Germany**
- Developed web applications for installation flows using C# .NET Blazor framework.
 - Automated device operations and monitoring with Python scripts.
 - Containerized applications for edge deployment using Docker.
 - Integrated Salesforce with Jira to enable business process automation.
 - Implemented Azure Event Hub, Function Apps, and Blob Storage for serverless event-driven architectures.
- 01/2022 – 07/2022 **Software Developer (Intern), Weeve GmbH, Berlin, Germany**
- Built modular data pipelines using Python, containerized with Docker.
 - Implemented MQTT protocol for IoT communication.
 - Developed backend services in Go under a Kanban Agile framework.
- 04/2021 – 10/2021 **Consultant Software Engineer, Capgemini Technology Services India Ltd, Pune, India**
- Developed support bundle framework to improve diagnostic capabilities.
 - Optimized log rotation processes enhancing product reliability.
- 10/2020 – 04/2021 **Software Developer, Sciometric Technologies, Pune, India**
- Created automation libraries compatible with Python 2 and 3, improving testing flexibility.
 - Built Docker-based test environments to streamline dependency management.
- 04/2019 – 10/2020 **Associated Software Developer, Simplify Healthcare Pvt Ltd, Pune, India**
- Collaborated with business analysts to refine and clarify software requirements.
 - Developed and maintained web applications using C# .NET MVC framework.

- 01/2016 – 07/2018 **Software Developer**, *NEXTRAQ Services Pvt Ltd*, Mumbai, India
- Enhanced core software packages including 'message bus framework' and 'IEM framework'.
 - Developed CLI framework to support Integrated Event Monitoring (IEM) using C++ with YAML, TOML, and JSON config formats.
- 08/2013 – 12/2015 **Assistant Professor**, *Mumbai University*, Mumbai, India
- 01/2022 – 01/2023 **Student Mentor (voluntary)**, *Upgrad*, Remote
- Mentored technology students on career development, project management, and product development best practices.

Education

- 03/2021 – 01/2023 **M.A. Management (Big Data)**, *IU International University of Applied Sciences*, Berlin, Germany
- 03/2020 – 03/2021 **P.G. Diploma – Full Stack Development**, *IIIT Bangalore*
- 08/2018 – 02/2019 **P.G. Diploma – Internet of Things (IoT)**, *CDAC Pune*
- 08/2012 – 11/2014 **M.Eng. – Electronics & Telecommunications**, *University of Pune*
- 07/2007 – 07/2012 **B.Eng. – Electronics & Telecommunications**, *University of Mumbai*

Certifications

- 2021 Agile with Atlassian Jira – Atlassian University
- 2021 Agile Software Development – University of Minnesota
- 2021 Python for Data Science, AI and Development – IBM
- 2021 Data Analysis and Visualization – IBM

Skills

Product Management	Roadmap Planning, Backlog Management, Business Requirement Documents (BRD), Agile Methodologies, Sprint Planning, Cross-functional Team Leadership, Stakeholder Management, Jira, Confluence, Miro
Programming & Development	Python, C#, .NET (Blazor, MVC), Go, JavaScript, React, SQL, HTML/CSS, Serverless Architecture (Microsoft Azure)
Tools & Cloud	Jira, Confluence, Docker, Git, Microsoft Azure, AWS, Salesforce, Datadog, Terraform
Internet of Things (IoT)	MQTT, Raspberry Pi, RevPi, Arduino, ESP32, Solar Hardware (Inverters, Wallbox, Heat Pumps), Virtual Power Plants (VPP)
Languages	English (C1), German (A2), Hindi (Native), Marathi (Native)

Publications

- 06/2014 *Analysis of Performance Parameters for Microstrip Antenna using Novel Hybridization Method*, International Journal of Computer Applications, New York.
- 02/2014 *A Review of Gain Enhancement Techniques of Microstrip Patch Antenna*, Engineering Science and Advanced Technology.
- 01/2014 *A Comparative Study of Gain Enhancement Techniques for Microstrip Patch Antenna*, International Journal of Engineering Science and Innovative Technology.