

DATA SCIENTIST, PRODUCT MANAGER

Summary

Quality-driven AI/ML Product Manager with 4-year background in Data Science, enterprise BI and building machine Learning product with a proven track record of on-time delivery. Excellent customer interaction skills, technical knowledge and presentation skills. Good understanding of product management and firm grasp of Data Science principles. 17 years of combined experience in Application Engineering, pre-sale activities, product management and business development of Engineering and simulation technology softwares.

Skills

- People skills
- Customer service
- Business development
- Requirements gathering
- Scope development
- Communication
- Critical thinking
- Agile methodology
- Story oversight
- Product planning
- JIRA/Confluence
- Balsamiq software
- AutoML framework
- Keras, LSTM
- Statistical Modelling (Regression, Classification, clustering, Multivariate Forecasting)
- MLOps
- Explainable AI - PDP, ICE, LIME, SHAP
- Hypothesis Testing, DOE
- Exploratory Data Analysis
- Feature Engineering
- Python, R Language, SQL, SAS
- Spyder, RStudio, MySQL Workbench, VirtualBox
- SAS Enterprise Miner
- Ubuntu

Experience

Snapchat | AZ , State Data Scientist, Product Manager 05/2019 - Current

- Designed, implemented and released 3 versions of AI/ML desktop product (Altair Knowledge Studio) in 2021 in an Agile framework
- Sphereheaded open-source integration features of AI/ML product
- Increased the customer base from 19 to 35, an increase of 84%
- Wrote detailed specification for 4 explainable AI algorithms (PDP, ICE, LIME, SHAP) for native implementation in Knowledge Studio
- Wrote production grade Python code for integrating 5 key features Keras, LSTM, ARIMA, scikit-learn libraries GLM and XGBOOST
- Followed industry innovations and emerging trends through scientific articles, conference papers or self-directed research
- Worked alongside PM leadership to identify product requirements and updated on product release status monthly
- Translated business goals and customer needs into prioritized product requirements and use cases
- Created epics and wrote user stories for different user personas
- Communicated feature requirements to the developers, worked closely with the developers, reviewed developed features, provided feedback to dev, make sure the features meet MVP criteria
- Recommended product changes to enhance customer interest and maximize sales
- Outlined new feature plans, created epics, wrote detailed specifications, produced wireframes of UI and made user facing decisions
- Collaborated with design team to enhance the user experience and modernize the product UI
- Collaborated with Data Scientists to review new feature specifications and gathered feedback on released features
- Collaborated with legal team to understand the licensing and various other aspects of open-source libraries and code
- Communicated changes in feature scope and timelines empathetically to the relevant stake holders

Atrium Health | Fort Mill , SC Applied Data Scientist 05/2018 - 05/2019

- Worked with presales, sales and marketing teams to promote the new features and gathered feedback
- Modernized products based on consumer feedback and market analysis to increase sales and expand product offering
- Demonstrated self-reliance and leadership by meeting and exceeding workflow needs
- Provided consultation to Altair Customers to help drive software usage, Developed AutoML algorithm as a turn-key solution to do Machine Learning such as forecasting, classification and regression using R on SaaS platform “Altair's cloud-native enterprise level business analytics solution
- Operationalized AutoML on the SaaS platform by working closely with DevOps team
- Operationalized anomaly detection models on SaaS platform to understand remaining useful life (RUL) of a bearing
- Tested, validated and reformulated models to foster accurate prediction of outcomes
- Built and deployed predictive models to understand the reliability of aircraft engines
- Demonstrated Altair's Data Science suite of products to customers and helped them evaluate success criteria
- Presented the results of AutoML to business stakeholders

Atrium Health | Belmont , NC Senior Application Specialist 06/2016 - 05/2018

- Worked with client database engines like Hadoop and HIVE to update custom dashboards on SaaS based BI application in almost real-time to meet customers' business needs
- Increased customer engagement by in-person troubleshooting sessions
- Evaluated and led root-cause analysis for production issues and empathetically managed user concerns

- Wrote user manuals and other documentation for roll-out in customer training sessions
- Performed advanced usability testing to improve software robustness
- Documented decisions to allow for broader company learning and iteration opportunities

Altair Engineering Inc | City , STATE Senior Application Specialist 06/2007 - 06/2016

- Worked closely with account managers and helped them cross technical side of sales cycle
- Analyzed user needs and software requirements by involving in product design life cycle of key customers to drive software usage
- Resolved customer issues by establishing workarounds and solutions to debug and report defects to product manager which minimized software down time
- Coached SMEs across Altair offices globally to meet prescribed business goals and to improve customer retention
- Published paper on optimizing design process by coupling simulation software and design exploration at an international conference
- Travelled to client's places internationally to better understand the process and client requirements
- Established and maintained key relationships with business stakeholders to promote future opportunities.

Education and Training

Northwestern University, Analytics University of Mysore || City , State , India Master of Science in Predictive 12/2018

Bachelor of Engineering in Mechanical