

SHASHANK S. IYER

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SUMMARY

Product & Engineering leader with 9 years of experience in predictive maintenance & industrial AI solutions. Proven track record of optimizing operational efficiency, reducing downtime & enhancing reliability for Fortune 500 companies. Skilled in building & leading teams, managing data integrations & delivering impactful ML products. Demonstrated success in expanding product features, driving adoption & contributing to significant revenue growth.

SKILLS

- **Technologies:** Python, R, SQL, Git, AWS
- **Domains:** Predictive Maintenance, Machine Learning, Data Science, Data Engineering, System Design
- **Leadership:** Engineering Management, Product Strategy
- **Tools:** Jira, Lucidcharts, Figma, Confluence, Tableau

WORK EXPERIENCE

Uptake Technologies, San Francisco, CA

Director of Engineering

Feb 2023 – Present

- Built & led teams delivering predictive maintenance & telematics integrations, expanding to 15 partners and resulting in 80% growth of customer base in under 20 months.
- Launched a white-label integration product, increasing assets under management by 3x & expanding market influence.
- Increased north-star KPI, Insight Validation Rate, by 20% via maintenance system integrations.

Senior Engineering Manager

Sep 2021 – Feb 2023

- Led migration of 15 key accounts to a new ML data platform. Reduced AWS cost/month by 50%, saving \$3M/year. Achieved 80% retention and secured \$7M in renewals without disruption.

Engineering Manager

Oct 2019 – Sep 2021

- Converted POC into a \$4.8M contract with a major ore mining customer by achieving a 40% reduction in downtime across 100K railcar assets, using Data Science models to detect bearing failures.
- Led predictive maintenance adoption across mining, manufacturing, and rail, driving \$10M+ in annual revenue.

Product Manager

Jul 2017 – Oct 2019

- Defined vision, roadmap and delivered predictive maintenance solution, improving OEE by 10%, & reducing unplanned downtime by 20% for a large auto manufacturer.
- Incubated products in mining, mfg, & rail, with several new Data Science models, contributing to a \$10M pipeline.

Sr. Technical Business Analyst

Jul 2016 – Jul 2017

- Led implementation of ML data platform for a leading heavy machinery manufacturer across 25 dealerships, contributing to \$5M turnover.

Urban Till, Chicago, IL

Director of Research & Development

Jun 2015 – Jul 2016

- Designed & scaled a 165K sqft indoor agriculture facility generating \$15M revenue annually.

EDUCATION

- **Master of Science (M.S.) in Industrial Engineering**, *University of Illinois, Chicago, IL* 2015
- **Bachelor of Engineering (B.Eng.) in Mechanical Engineering**, *University of Lancaster, UK* 2011
- **Certificate in Product Management for AI & ML**, *ELVTR* 2023