

Amogh Tayade

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SUMMARY

Strategic and technical product leader with 9+ years of experience driving AIML, IoT, and XR product innovations geared towards automation, smart buildings and workplace experiences across Fortune 100 clients. Proven track record of launching platforms and cloud-native solutions that generated over \$170M in business impact. Adept at leading global cross-functional teams, driving product vision from 0→1 and scaling enterprise-grade B2B platforms.

SKILLS

- Product Strategy & Roadmap Development
- Data-Driven Decision Making & Business Analytics
- Stakeholder Communication
- CSPO certified
- AI/ML, IoT & Extended Reality
- Smart Home, IoT, Cloud & Edge Computing
- Figma, Tableau, SQL, Postman
- Kubernetes, Redis, Python, Kafka

EXPERIENCE

Senior Product Manager – Technical | CBRE | Dallas, TX | Mar 2019 - Present

- Spearheaded the launch of a Smart Buildings platform featuring AI/IoT that delivered **\$127M in annual cost avoidance** by transforming legacy building management systems into intelligent, data-driven environments.
- Defined product vision and GTM strategy for Smart Buildings platform - **Condition Based Maintenance (CBM)** utilizing XR, AI and IoT, reducing client OPEX by **30%** and improving asset lifecycle visibility.
- Collaborated with data science, engineering, and client teams across **10+ countries** to develop predictive maintenance algorithms using ML and real-time telemetry.
- Led a \$5M cross-functional initiative to build IoT resource management suite, cutting **energy consumption by 15%** and **resource costs by 20%**.
- Evangelized smart building capabilities and workplace experiences to executive stakeholders, resulting in **50+ new enterprise clients** on SmartFM.

Senior Software Engineer | CBRE | Dallas, TX | Mar 2019 - Jan 2022

- Engineered scalable microservices and real-time IoT ingestion pipelines using **Kafka, Redis, Kubernetes, and WebSockets**, supporting **15,000+ devices** and **1M+ events/day** with 99.99% uptime.
- Integrated indoor navigation and remote-control systems using **ARKit**, enabling digital twin-like control of smart buildings, improving user adoption by **80%+** post Covid19.
- Built robust APIs and SDKs for third-party integrations, improving developer velocity by **25%** and enabling cross-platform consistency.

Senior Control Systems Engineer | Honeywell | Pune, India | Aug 2014 - Aug 2017

- Delivered automation and control systems for 6+ industrial refineries and created innovative setup solutions achieving a **15% reduction in project cycle time**.
- Designed automation logic using **SCADA, DCS, PLC, Ladder Logic, and FBD**, driving process stability and lowering manual intervention.
- Developed tools that saved **300+ engineering hours per project** by automating routine control configurations.

EDUCATION

Johns Hopkins University – M.S. in Engineering Management (Smart Product Design), 2017

University of Pune – B.E. in Instrumentation & Control, 2014

Certifications – Certified Scrum Product Owner (**CSPO**) | Google AI | Azure AZ 900 | Six Sigma Green Belt

PROJECTS & PUBLICATIONS

- **Upbeat** 🦋 - Built an AR and EMG based rehabilitation platform for upper limb amputee, featured in [National Library of Medicine](#), improved recovery engagement by over 50%.
- **Venus Fly Trap** 🦋: Designed last mile drone and robotic delivery for Textron Systems, drastically reducing delivery latency and increasing security.
- **Trela** 🦋: Developed a wearable fall detection IoT device, tested at Johns Hopkins Hospital; led a pilot at elder care facility.