

Highly experienced & results-driven professional, pursuing opportunities that capitalize on a wealth of experience in project management and leadership, particularly in Agile methodologies, while focusing on the IT & manufacturing sectors to drive impactful result.

## CONTACT

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## EDUCATION

- **2010:** Master of Science: Robotics & Automation from University of Salford - Greater Manchester, UK
- **2006:** Bachelor of Engineering: Mechanical from University of Pune

## CORE COMPETENCIES

- Digital Transformation Strategies
- Product Configuration (ETO)
- Agile Methodology
- AI/ML Implementation
- IoT Integration
- Design Automation
- AR/VR Applications Development & Enhancement
- People Management
- Scrum Team Leadership
- Data Acquisition Systems
- Product Lifecycle Management
- Cross-Functional Collaboration
- Agile Project Management
- Data-Driven Decision Making
- Software Development Life Cycle
- Stakeholder Engagement & Management
- Performance Metrics and KPIs
- Strategic Technology Implementation

## TECHNICAL SKILLS

- **Software Programming:** C#, VB.NET, Web Technologies, NXOpen
- **Databases:** SQL, SQLite, E2KS (Now Auros)
- **CAD Tools:** Siemens NX, CATIA
- **PLM Tools:** ENOVIA, Teamcenter
- **Product Configurator Tools:** Siemens Rulestream
- **Microsoft Office Tools:** Word, Excel, PowerPoint, Outlook, Teams, Sharepoint
- **Cloud Technologies:** Familiarity with MS Azure and OpenAI

# ABHIJIT BORASE

## R&D Manager - Digital Support (Scrum Master)

### PROFILE SUMMARY

- Visionary Business Strategist with **over 16 years** of expertise in CAD automation and product configuration, leveraging advanced software development tools to streamline process and deliver high-quality solutions across diverse industries.
- Possess **10 years** of proven leadership in people management, technical project management and agile methodologies, driving teams to successfully deliver complex software projects.
- Proven track record in leading cross-functional Agile teams, driving innovation, and managing digital transformation initiatives that leverage cutting-edge technologies such as IoT, AI/ML, and AR/VR.
- **Certified Scrum Master** with understanding of Agile/Scrum methodologies, aiding delivery of complex design automation & product configuration solutions.
- **Strategic Digital Leader** with focus on developing & executing digital roadmaps.
- Strong leadership skills with experience in managing budgets, timelines, and KPIs to ensure project success.
- **Experienced People Leader** with a strong capability to build, mentor, and lead high-performing, international teams.
- Expertise in setting clear performance expectations, fostering creativity, and promoting cross-border collaboration to achieve optimal results.
- **Versatile Technology Innovator** with expertise in C#, SQL, NXOpen, and CAD automation.
- **Accomplished Product Owner** with experience managing end-to-end lifecycle of critical software solutions.
- Proficiency in crafting digital strategies, playing a key role in creating a roadmap that fosters innovation and establishes the organization as an industry leader.

### WORK EXPERIENCE

#### **Mar'14 - Sep'24: R&D Manager - Digital Support (Scrum Master) at Seco Tools, Pune**

##### **Growth Path:**

**R&D Manager (Oct'19 - Sep'24)**

**Project Manager (Apr'16 - Oct'19)**

**CAD Developer (Mar'14 - Mar'16)**

##### **Role:**

- Led a global software development team as R&D Manager, managing technical competencies, training, & performance management to support digital projects.
- Spearheading budget oversight and resource allocation across internal and external teams.
- Acted as the primary point of contact for all digital initiatives, reporting directly to the R&D Director.
- Managed end-to-end vendor relationships, including business case creation, SOW development, vendor benchmarking, contract negotiations, and onboarding.
- Spearheaded resource management, invoicing (PR/PO), and budget management throughout the vendor lifecycle.
- Spearheaded Digital transformations as a Scrum Master and Project Manager, orchestrating cutting-edge design automation, product configuration (ETO), and advanced digital software development initiatives.
- Applied deep technical expertise in Web technologies, Machine integration, IoT hardware and software, C# and SQL, delivering high-impact software solutions that optimized business processes and drove operational efficiency.
- Drove the successful implementation of AI/ML-driven projects including Generative AI, accelerating innovation and aligning digital solutions with strategic organizational objectives.
- Directed cross-functional, globally distributed teams, fostering a culture of collaboration, empowerment, and high-performance excellence.
- Championed continuous process optimization and operational agility through the strategic application of Scrum methodologies, elevating team velocity and project delivery outcomes.

##### **Projects:**

#### **Math Revamp for Cut Data Engine (CDE) Application (Nov 2023 – Sep 2024)**

- Spearheaded a global initiative within Sandvik Machining Solutions (SMS) to modernize the Cut Data Engine (CDE) by migrating from MathCad to MapleSoft. This enhancement improved the precision of cutting data calculations, integral to web applications like Suggest and Tool Recommendation.

## CERTIFICATIONS

Introduction to Generative AI, Google (2024)  
Advanced Learning Algorithms, DeepLearning AI & Stanford University (2024)  
AI/ML, 2024 (DeepLearning and Stanford University)  
Fundamentals of Generative AI, Microsoft (2024)  
Machine learning Specialization, DeepLearning.AI & Stanford University (2024)  
Sandvik Group Leadership Diploma, Sandvik (2022)  
Ingenjör 4.0 - Smart Products and Industrial Internet of Things, Linköping University (2022)  
HTML 5 Programming, NIIT (2018)  
Web application development, NIIT (2018)  
Distributed Application Architecture using .NET Framework, NIIT (2017)  
Mastering Agile, Omnipresent Technologies (2016)  
Rulestream Essentials - V8.5, Siemens (2016)  
Advanced Management Training Program, EAZL (2019)  
NXOpen API Programming, Siemens (2014)  
Scrum Master Professional, Scrum Alliance (2011)  
Entrepreneurship Awareness Camp Certificate, MITCON (2005)  
CATIA V5, CAD Academy (2006)

## AWARDS & ACHIEVEMENTS

Awarded the "Extra Mile Award" for outstanding contributions to company initiative & exceptional leadership. (2016-2017)  
Long Service Award, Seco Tools (2024-2025)  
Achieved recognition from the IT Vice President for exceptional contributions to digital transformation initiative, achieving a milestone in the organization's history.  
Recognition Award for Teamwork, General Motors (2013)  
Green Belt Certification in Six Sigma, General Motors (2013)  
Dedicated Service Award, General Motors (2013)  
Received Award for Recognition for Data Migration from spreadsheets to E2KS, General Motors (2012)  
DFSS Project Leader Award, General Motors (2012)

## EXTRA-CURRICULAR

- Certificate of Appreciation for Cubical Decoration (2011)
- Midnight Marathon Event Certificate (2011)
- IELTS Overall Band Score 7.0 (2008)

**Technology:** MathCAD, Maplesoft, C#, JSON files, QA

**Role:** Scrum Master

**Team Size:** Product Owner (Sponsor), SMS Sourcing Team, 2 R&D Math Experts, 4 Senior Software Developers (including 2 from MapleSoft).

### Data Acquisition and Automation (Apr 2023 – Aug 2024)

- Led a machine learning initiative focused on developing a Data Acquisition & Automation infrastructure to stream live sensor data from CNC machines on the shop floor into Test & Modeling software applications. This project enabled real-time analytics and process optimization for enhanced production efficiency.

**Technology:** Machine Hardware (Sensors), Hardware to Machine installation, OSIsoft's PI System, Machine Learning, QA

**Role:** Scrum Master

**Team Size:** Product Owner (Sponsor), 1 Sensor Expert, 1 IoT Specialist, 1 Machine Expert, 1 Data Scientist, Key Vendor Resources, and Project Reference Group.

### Digital Strategy Roadmap Ownership (Jan 2021 – Sep 2024)

- Drove the digital transformation agenda by owning the department's digital strategy roadmap to foster innovation, streamline process, and deliver cutting-edge business solutions.
- Led initiatives to explore emerging technologies, including AI/ML and AR/VR, aligning digital innovations with organizational goals.

### Key Responsibilities:

- Established and led an Innovation Forum to incubate new business ideas.
- Established a bi-weekly forum to review progress and provide support to initiative owners.
- Managed project timelines, ensuring on-time delivery of digital innovations.
- Spearheaded budget management, allocating funds for innovations & managing financial workflow.
- Fostered collaboration within cross-border teams spanning Europe and India.
- Set KPIs, monitored team performance, and provided constructive feedback for continuous skill enhancement and providing subsequent training programs.
- Coordinated with Patent department for filing of patents & technology exploration for emerging methodology.
- Collaborated with cross-functional teams for execution of digital initiatives.
- Reported progress and KPIs directly to R&D Directors and VPs for executive-level visibility.

**Team Size:** 11 team members, Steering Committee.

### Seco Virtual Technician with AR Technology (Mar 2020 – Jun 2020)

- Led the successful implementation of AR-based Remote Assistance to bridge communication gaps between R&D and shop floor teams, enabling real-time support and troubleshooting for technicians and customers. This solution resulted in enhanced operational efficiency and faster issue resolution.

**Role:** Product Owner

### Key Responsibilities:

- Led the application lifecycle management within Seco IT, leveraging the Alfabet platform for governance and portfolio management.
- Partnered with IT to integrate the AR solution within the Seco IT ecosystem, ensuring branding and white-labeling alignment.
- Provided training to both internal and external stakeholders on the application's features and functionalities.
- Promoted the application across the organization and to external customers, ensuring widespread adoption.

**Achievement:** Global deployment within a record time of 3 months, enhancing internal and customer support process.

**Team Size:** Product Owner (Sponsor), 1 Software Developer, 1 IT Developer, Vendor Support Team, Project Reference Group.

### Other Notable Projects:

- Tool Assembly Checker
- Automatic Insert Change

### Highlights:

- Led a team of 4 software developers, managing all aspects from hiring to performance management.
- Developed & customized Seco Virtual Technician AR application, later expanded across marketing, sales, and support teams, enabling real-time troubleshooting.
- Drove successful proposals and presentations for senior leadership, including Vice Presidents and Presidents, gaining buy-in for technology projects.
- Successfully led the implementation of an augmented reality application during the COVID-19 pandemic, enabling remote support for production teams and reducing travel time by up to 80%.
- Delivered projects resulting in multi-million SEK savings, impacting the company's financial and operational performance.

- M-Pulse 2006 – Auto Modeling, PES MCOE (2006)
- Firodiya Karandak, PES MCOE (Vibrations 2003, 2004)
- Purushottam Karandak, PES MCOE (Vibrations 2004)

## PERSONAL DETAILS

**Address:** Pune, Maharashtra - 411058

**Languages Known:** English, Marathi, Hindi

- Championed the transition from manual CAD process to rule-based design methodologies, improving product quality and reducing errors, leading to a 100% increase in customer satisfaction.
- Engaged in achieving millions of SEK in cost savings through the successful execution of various software development projects.

## PREVIOUS EXPERIENCE

**May'10 - Mar'14: Senior KBE Engineer at General Motors Tech Center, Bangalore**

**Sep'06 - Feb'08: Design Engineer at AM Engineers, Pune**