Curriculum vitae

Project Manager and Development Engineer

Personal information

Jesper Skjerning

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Date of birth	19.12.1975 (48 years)

Summary

Freelance Consultant as Project manager within pharma and production industries. In Denmark as well as international. 20 years of experience. My background is as computer vision specialist and programmer. My educations are Engineer in Mathematics and in Electronics.

My natural forces are; Structure e.g. project planning, breaking complex tasks down to simper once, todo-lists and follow up. Creative e.g. finding solutions to difficulties, finding new business ideas or simply optimizing existing processes. Entrepreneurial mindset where I often challenge and solve statements like "it can't be done". I'm always looking for improvement potential. Communication / stakeholder management and energizing teams. Self-development and focus on efficiency.

My latest achievements are with Novo Nordisk and Coloplast. As project Manager, Vendor Lead, Computer Vision expert and Senior Data Manager. See more under "Pharma Relevant Experience".

Project manager on a big packaging line for minks. With 5 vacuum/flow packaging lines, robots, conveyors, elevators, automatic boxing, strapping, weighing, control and storage. A huge success.
Besides project management and technical insight, I'm creative and contribute with solutions and error handling. Technical sales and extra sales at customer site.

I've managed, developed and produced computer vision systems in analysis instruments and in industrial machines. Mainly inline inspection within pharma and organic materials with a high demand of quality, stability and reproducibility. I've worked with all areas of selecting and setup cameras, lenses, light setup, hardware development, software for image and data analysis and UI etc. Complex quality systems with high innovation for sorting and handling of minks for furs, agricultural automation, thermography, meat analysis, fish food, windmill wings, impurities, inspection of springs, UV inspection, etc. Advanced concept development and serial development and manufacturing.

My wide working surface and broad skills combined with multiple visits at different customers enables me to suggest production improvements across industries.

I'm a fast learner and can step in to support / take over a project during maternity leave, sickness etc.

Workplaces

2019 – 2023	LeadZip Consult: Freelance Project manager, Innovation consultant Freelance: Project Manager and Vendor Lead at Novo Nordisk, DMD, Hillerød
2021 – 2023	Freelance: Project Manager and Data Manager Coloplast. Computer vison. Data analyst.
2017 – 2019	Project Manager at Kopenhagen Fur. Implementing a new packaging line.
2015 – 2017	Project Manager at CLAAS E-Systems. Embedded computer vision for Agriculture.
2015 – 2016	Freelance consultant at Rådgiver Jesper Skjerning IVS. Computer vision.
2003 – 2015	Videometer A/S. Project Manager, Consultant, R&D in Computer vision and instruments.
2000 – 2001	Welltec A/S. Field Engineer in the oil industry.

Professional experience

- Project management. Several large projects with many colleagues, suppliers and other stakeholders.
- Customer and supplier interaction with communication on all levels.
- Project Plans, budgeting, Risk Assessment, procurement, conflict handling and Onboarding.
- Account Management for 9 years with Kopenhagen Fur with continually improving their second-to-none automatic vision systems for handling of 30 million furs pr. year.
- Quality control. CE / Safety standards.
- Broad experience as consultant with multiple company visits.
- Coordination of external workers. Including salary negotiation.
- Team player. Believe in the synergy of groups. Knowledge sharing.
- Creative, seeing ideas and potential, innovation, optimization, "can we do this different and better?".
- Developing electronics, mechanics and software incl. User Interface and calibration.
- Manufacturing machines and instruments incl. purchase, streamlining assembly and quality control.
- Machine vision, both manually developed and AI models.
- Agile development with Sprints and Scrum. Design Sprint 2.0.
- Programming in Python, C#, C/C++, VB, MATLAB. A little app development in React Native.
- Software structure and code standards.
- Recipe control, control logistics, regulators, database design and queries, debugging.
- Test plans for software and hardware, FAT, SAT.
- Feature extraction, data analysis, cleaning of data, data visualization, statistics.
- Instructions / teaching of customers in our machines, instruments and software.
- Technical sales and additional sales.
- Working in clean room.
- Coaching of colleagues.

Courses

2024	GMP courses, Computer Software Validation (CSV)
2023	Courses in IT project management, SAFe, Scrum master and Product owner
2023	Six Sigma Green Belt course, NNE
2019	IPMA D, Certified Project Management Associate
2017 + 2018	Project Management incl. Change Management. Internal courses at Kopenhagen Fur
2012 – 2015	Sales training
2011	MBA in one day!

Education

2001 – 2003	Master of Science in Engineering, Applied Mathematics at DTU Among others, courses in management and economics. Computer Vision Thesis with Visiopharm: "Analysis of Mouse Joints, Examination of Osteoarthritis by Automatic Visual Inspection".
1995 – 2000	Bachelor of Science in Engineering, Electronics at DTU Computer Vision Thesis with Forsvarets Forskningstjeneste (FOFT): "Havbunds–klassifikation, til tids– og detektionsoptimering af søminedetektion".

Languages

Danish	Native.
English	Speaks, read and write fluently.

IT expertise

Experienced	MS Projects, Excel, Word, Outlook, Power Point, Python and PyCharm, Visual Studio (C#, C++, VB), WinForms, Matlab, TeamViewer, Multi–Threaded implementation, Software versioning, Unit test of software, code review, Agile development, Scrum
Knowledge	Virtual computers, Ndepend, Arduino hardware and code, Raspberry PI. Fusion 360 for 3D drawing and printing.

Pharma Relevant Experience

Packing of pens with drugs
Role: Temporary Project Manager and Vendor Lead

Took over a project with large packaging lines during manufacturing phase. Weekly/biweekly visit at vendor site. Collaborating, challenge and prioritizing deliveries. Reporting back to management. Bringing structure on tasks and testing performance and quality. Bringing the project from development towards preFAT.

Vision inspection of large bandages
Role: First as Senior Data Manager, then Project Manager and Computer Vision programmer

Programming of database for storage and audit-trail of product images, features and calibration images.
Image calibration, vision analysis for and data extraction of key features.
Took over project management when key personnel left the project.
Many visits on site in Hungary for management the project, team building and inline testing of the developed solutions.

Tablet inspection
Role: Project Manager, SME (Subject Matter Expert) Computer Vision, Programmer, Service Engineer

Computer Vision revalidation as the Lid design of the tablet fixture were changed; Defining test protocols for retesting. Color checking, checking for content and fragments of tablet. Validation calculation using acceptance limits (L_{AL} - L_{UP}) for multiple color combinations of fixtures and tablets. Ensuring no possibility for mix-up or other flaws. Documentation of the approach and results.
Customers complains dropped to zero with this system.
Verification of compliance due to software upgrades of the vision analysis and by Windows updates/service packs.
Programming and testing of Audit trail, User limitations and Recipe control. Software reviewer.
Service and maintenance (Hardware, Software, Logs, Calibration targets etc.)

Infusion set & blister package
Role: Project Manager, SME Computer Vision, Programmer, Service Engineer

Vision analysis of welding zone, content and print. Checking for holes in the paper cover.
Programming of software and controls to ensure the discard of packages unless every parameter / variable is accepted. Software reviewer.
Testing and Reporting when introducing new recipes (input to validation – which was done by the customer).
Programming and testing of Audit trail, User limitations and Recipe control.
Calibration and defining limits for recipe parameters and acceptable deviation / range of these.
Service and maintenance (Hardware, Software, Logs, Calibration targets etc.)

Package inspections
Role: SME Computer Vision, Programmer

Verification of correct leaflet in package by Computer Vision/OCR (recipe controlled).
Verification of Labels on the package correct mounted. Conner's attached and hence not flapping / folded.

Insulin inspection
Role: SME Computer Vision, Programmer

Programming software for the instruments. This including UI, Audit trail, recipe control, user levels, using GXP drive, automatic report generation.
Defining nonorganic test subjects for the validation.
Supporting customer in analyses validation (Specificity and Reproducibility).

Personal Attributes

Myers-Briggs Type Indicator: ENTJ (Extraverted, Intuitive, Thinking, and Judging)

As a person, I'm a self–managing task seeker, outgoing. Working with people gives me energy.
Skills: Structured, creative (popcorn brain), planner, analytic skills, detailed oriented, decision maker.
Good at overviewing a project and splitting it into understandable and implementable parts.
Idea generation, innovation, building and repair stuff. Working on my house, garden and car.

Sportsman. I like to work out daily. Strength training, yoga, etc.
Volunteer Experiences: Cashier, Chairman in antenna association, Repairman at Repair Café Hillerød, social event coordinator, e.g. yearly DHL run, managing internal seminars, etc.

I have a son at the age of 14. I'm with him 5 of 14 days with a lot of flexibility.