

PORTFOLIO

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ABOUT THIS DOCUMENT

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Over the past two decades I was able to craft a unique skillset: I create agile software which is used by about 1100 users in 38 countries and spanning *all hierarchy layers* of the company. My applications fulfill the needs of facility members as well as management while collecting, sanitizing and processing data for operations research. In many ways *I provide an interface glueing together all divisions of a company.*

Since I have created a huge variety of projects which greatly exceed the scale of any CV, I decided to create a portfolio. This document will be actively maintained as a living document whenever I have the time to do so. The plan is to reach a concise description of my tasks and projects.

SCOPE OF MY WORK

Due my special skills and the way my company dealt with the development of tools, I worked alone for most of the time, even though I'm a team oriented person. This means that when I mention the *creation of a project* in this document, *every single step* from the drawing board to the finished project has been planned & executed by myself. I'm experienced in a wide range of subjects: System administrator, database design, data structure, UI, Webforms, Excel, reporting (BI), user support and training.

FILEMAKER

FileMaker has been *the* tool of my choice for more than two decades It is an incredibly flexible tool, virtually the Swiss army knife among middleware databases. With it's built-in features it allows me to provide the glue between Excel, SAP, the Web and other (SQL) databases while maintaining agile methodologies and applying rapid prototyping.

My typical projects starts with a colleague approaching me with a problem. This colleague is completely inexperienced in data structures, processes and system design, as he comes from other areas of the company. We discuss the problem, and I look over all data involved and structure it. Then I sketch a workflow and a process to establish, so that the solution fits best into the company. The development of a prototype in Filemaker often takes only 2-3 days, depending on the complexity of the task. Usually an iterative development process begins after the presentation of the first prototype, in the course of which the client often wants to identify and implement additional functions.

PROJECTS

DEPARTMENT	Description
SYSTEM	Automated processing of daily & weekly jobs
	Trigger and run different tasks by time and sequence
WORK SAFETY	Work-safety
	Manage & document all aspects of work-safety related topics (e.g.: Register of hazardous substances)
ALL	Data-Analysis
	Tool to analyze data from multiple Excel-sheets & database data
CONTROLLING	Contribution Margin Analysis
	Focus on product-, customer- & dedicated customer-details
PURCHASING	Supplier Info-Tool
	Display & Management of Order-Quantities for suppliers

QUALITY	Error collection card Electronic error collection card with reporting
SERVICE	Service documentation system Service documentation system for printer and tools
QUALITY	Process dashboard Dashboard visualizing all business processes & their implementation status through all company structures
QUALITY	Customer Complaints System Customer- & internal complaints & fault messages for technical & logistic problems, hierarchical error classification, multiple classification possible, workflow processing, categorized actions management and tracking, mail/browser based action result processing, effectiveness checks for actions and faults, mail/browser based processing of effectiveness checks, grouping of complaints according to subject/error, mailing system, attachment handling, several cockpit functions (general & user specific), complex search option incl. "mass search", 8D-Report generation with version management, inform about fault-effects on existing quality contracts, handle multiple complaints from customers belonging to the same error-occurrence, user and workgroup management, creation of excel-form to be forwarded to 3rd-Party, re-import after being filled out.
QUALITY	Customer Complaints System Web-Interface
ALL	Data-Extractors & Converters Convert & extract data from different data-sources like SAP into any required format
ALL	Structured reference table generation Various subjects
PROD. PLANNING	Bill of Material - Solutions
QUALITY	Plan different forecast scenarios, display turn-over effects of articles & tools
ADMINISTRATION	Contracts database Management of all relevant information for multitude of contract types with mail reminder
MRP	Stock reports Automated report generation
QUALITY	Backlog reports Backlog assessment & automatic report creation
QUALITY	Time recording & documentation Collection of times by Q-Planners for different projects and cost-centers
WORK SAFETY	Company Physician <i>German medical privacy specification</i> Management of users and different examination types. Documentation of results
PRODUCTION	Product variation request documentation
PLANNING	Visualization of variation subset. Documentation of planned quantities with meta data
QUALITY	Blocked stock documentation & information processing tool
QUALITY	Measuring sample management Sample documentation, e.g. during the "Tool Maturation process"
QUALITY	Quality Contracts Database with BOM analysis
QUALITY	PPM-Rate Info Tool Calculation of PPM-rates for products and product families
MEDICAL LAB	Raw data transformation of Lab results Transformation of measured values of surgery and post-operative laboratory examinations from a proprietary format into an evaluable database-format.
QUALITY	Quality reporting by org. structures and quality categories