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Objective

- * To implement knowledge, experience and ideas in products, which give people freedom and happiness.
- * To work with people, who pay attention to details and optimized solutions.
- * To develop management skills and, be a draft horse and motivation for team.

Summary

- * Wide experience in industrial (chemical and dairy) plant design, production and start-up.
- * Construction and process optimization, simulation and analysis abilities.
- * Expert in 3D design, assembly, production techniques, organization and management.
- * Well experienced project leader at all development phases (MVP, proof-of-concept, business strategy).

Academic details

- * Master of Engineering (Mechanical Engineering - Construction of Machines)
from Poznan University of Technology

Work experience

Date of joining: 2007 - 2011

Post: **Graphics Designer**

Organization: Freelance

The scope of work: Creating brand visual identification - logos, color schemes, business cards. Working with multiple raster and vector graphics, designing catalogues and leaflets. Designing websites' layouts with ux rules. Drawing and preparing for print posters. Rendering branding visualizations.

Date of joining: 2015

Post: **Operator of Agricultural Machinery**

Organization: Peiffer Rollrasen GmbH - Germany

The scope of work: Operating grass in rolls production machinery. Mowing, shearing, conditioning grass. Servicing machinery, customer service.

Date of joining: 2015

Post: **3D-printers Assembly Engineer**

Organization: Omni3D

The scope of work: Assembling of 3D-printers. Screw and belt drives fine tuning. Electronics soldering (SMD and leaded). Documentation production with Adobe Photoshop and Adobe InDesign.

Date of joining: 2008 to till date

Post: **Bicycle Project Manager**

Organization: Freelance

The scope of work: Rebuilding bicycles from screw&nut with custom parts, custom paintjob. Managing deliveries and assemblies. Creating individual sale offers and targeting products. Sale and negotiation with customers.

Date of joining: 2015 to till date

Post: **Engineering Project Leader**

Organization: Self-employment

The scope of work: Designing automotive, industrial and in-door structures (construction, weldments, moulds, plastics, pipes, tanks, gears, drives). Animating assemblies and vehicles movement for further movie production. Rendering parts and assemblies for visualizations. Calculating advanced formulas in Excel, Matlab or Scilab. Performing FEM simulations (static, buckling, dynamic etc.), topology optimization (SolidWorks and Altair Optistruct), CFD simulations with heat-transfer. Producing documentation with PDM. Managing people and materials to be delivered and assembled into final products. Membrane filtration plant main engineer (MF/UF/NF/RO/ED).

Technical skills & languages

- * SolidWorks - design, construction, weldments, moulds, plastics, visualization, animation, rendering, FEM simulation, topology optimization, CFD simulation, heat-transfer simulation, documentation, PDM, ERP
 - * Autodesk AutoCAD - schematics, assembly drawings, executonal drawings
 - * Autodesk Inventor - design, construction, weldments, animation, rendering, documentation
 - * Comsol Multiphysics - FEM simulation, CFD simulation, heat-transfer simulation
 - * Matlab, Scilab - basic programming, data structures and algorithms skills
 - * MIT Calc - gear calculations, good knowledge
 - * Slicer3D - medical tomography 3D data processing
 - * Microsoft: Excel - very good knowledge, complex formulas and tables
 - * Microsoft Word - basic skills
 - * Adobe Photoshop, InDesign - good knowledge, printable and on-screen
 - * Adobe Premiere Pro - basic knowledge, movie editing
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- * German - C1
 - * English - C1

Achievements

- * First place in Start-up Business Competition 2015 (AIP Poznan University of Technology).
- * Involved in premium-class e-bike project (as a leader).

Extra curricular activities

- * Screw & nut restoring classic cars
- * Bicycle riding in the mountains and swimming in th sea
- * Developing website (kober.pl)