Kayahan Kaya

Details

Address

Helmond
Netherlands

Phone

0629218155

Email

kayahankaya@icloud.com

Links

kayakayahan.com

Skills

Python

SQL

Software Development

HTML

CSS

JavaScript

Git

Catia V5 (Surface Modelling)

AutoForm

Teamcenter

Process Designer

AutoCAD

SolidWorks

Six Sigma

FMEA (Failure Mode and Effects Analysis)

Languages

Turkish

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English

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Hobbies

Football, Canoeing, Boardgaming, Running, Camping

Summary

Born on June 9, 1991.

Married.

Qualified Engineer with 6+ years of process engineering and technical project experience in multiple engineering disciplines, mainly in the Automotive Manufacturing Industry as a Feasibility and Process Engineer.

(I have a valid residence and work permit in the Netherlands, so I do not require visa sponsorship.)

Professional Experiences

Process & Feasibility Engineer, Ford Motor Company

Apr 2019 — Jan 2022 Kocaeli, Turkey

Design and Manufacturing Integration:

- *Reviewed design concepts to ensure alignment with function and standards and ensure high-quality tool designs.*
- *Collaborated with Design leader, Program Manager, and/or Product Designer to identify necessary changes to tool designs in support of product changes.*
- *Followed tools through* buy off, *providing feedback and support as needed.*

Professional Development and Continuous Improvement:

- *Contributed to departmental process improvements for future projects.*
- *Drove continuous improvements to enhance manufacturability, quality, and cost-effectiveness.*
- *Collaborated with suppliers and manufacturing partners to resolve technical issues.*
- *Provided technical guidance and mentorship to junior engineers, contributing to the professional development of the engineering team.*

Main Commercial Vehicle Projects:

- *Completed three major commercial vehicle projects, including V713, V710, and V763.*
- *Main feasibility scope focused on core panels, including front door outer, front door inner, roofs, hood outer/inner, and other panels (15 panels/process involving 55 dies/operations).*

Feasibility and Design Support:

- *Provided stamping feasibility feedback and proposed solutions to Design Studio and Product Development Teams for Ford Otosan, Ford of Europe, and Ford North America in new vehicle projects.*
- *Checked part designs according to Process Driven Product Design (PDPD) to offer quick feedback to the Product Design Team during the feasibility phase (Created 'Roof Panels PDPD' for an internal know-how database).*
- *Created process concepts and determined process parameters for each part in alignment with Main and Alternative Press Lines, following Global Press Book guidelines, and coordinated with relevant teams (Die Design, Die Manufacturing, Press Shop Teams) through set meetings for each panel.*

Cost Optimization and Tooling Support:

- *Generated cost reduction ideas, including "Die number optimization" and "Material Utilization Percentage."*
- *Provided subject matter expertise and supported tooling suppliers, resulting in cost savings (e.g., saved 1 die cost and 7€ for each vehicle for Front Door Inner part of V763 project and 1-5€ for each part of roof panels in V710 project).*

Project Leadership and Problem Solving:

- *Led the Stamping Feasibility Period of new vehicle projects by fostering collaborative teamwork between Product Development, Design Studio, Die Process Teams and outsources.*

- *Defined design-based problems and proposed solutions applicable to vehicle design, resolving over 600 design-based issues based on FCR's report.*

Product Development and Compliance:

- *Transformed product concepts into feasible, reliable, and cost-effective engineering solutions.*
- *Ensured that products/solutions complied with applicable laws, regulations, and industry standards.*
- *Released finished products in BOMs and detailed production, assembly, and/or inspection documentation.*
- *Product Validation and Engineering Analysis:*
- *Set up and executed product validation procedures for the projects worked on.*
- *Possessed experience with systematic, proactive methods for evaluating product concepts and processes, including FMEA, DFA, DFM, and static/dynamic strength analyses.*

Skills: *Product Data Management (PDM) · Geometric Dimensioning & Tolerancing · CATIA · Mechanical Drawings · Metalworking · Analytical Skills · Manufacturing Processes · Process Design · 3D Modeling · Automotive · Mechanical Product Design · Product Development · Modeling and Simulation · Manufacturing Process Improvement · Technical Drawing · Process Optimization · Tooling Design · Teamcenter · Production Processes · Engineering Design · Computer-Aided Engineering (CAE) · Design Engineering · Mechanical Engineering · Problem Solving · 3D Computer-Aided Design (3D CAD) · Finite Element Analysis (FEA) · Design for Manufacturing · CAD · Project Management · Cost Reduction · PLM (Product Lifecycle Management) · Six Sigma · FMEA*

Technical Support & Project Engineer, Vaillant Group

Sep 2016 — Apr 2019 Istanbul, Turkey

- *Performing over 80 field visits annually for initial customer contact and site surveys, including service centers, dealers, and commercial customers.*
- *Coordinating and collaborating with project team members, including Customer Services, Supply Chain Management, Sales & Marketing, Quality Management, suppliers, sub-contractors, and more, to support dealers and after-sales services by creating projects for related HVAC equipment and systems.*
- *Collaborating with the sales team for direct customers, identifying tender requirements and customer needs.*
- *Defining and implementing technical training strategies for all internal and external customers, including a staff of over 1000 dealers.*
- *Providing technical support to all internal and external customers across the full product portfolio, including 30+ large-scale HVAC project designs.*
- *Managing the customer complaint process to ensure the provision of solutions for customer problems that could not be solved by other departments, ensuring end-user complaints are resolved in a timely manner.*
- *Providing support for After-Sales Service and Complaint Management to find technical solutions for end-user problems and ensuring complaints are managed in a professional manner, including creating a database of 200+ drawings for basic solutions.*

Skills: *Contact Management · Layout Design for Heating Systems · CAD · Project Management · Project Planning · Mechanical Drawings · Analytical Skills · Technical Support · Process Design · Communication · Calculations · Technical Drawing · Mechanical Engineering · Problem Solving · AutoCAD · Engineering*

Technical Support Engineer , 3bfab

Aug 2015 — Sep 2016 Istanbul, Turkey

- *Planning Technical Support appointments through Salesforce and Installing our 3D Printing & 3D Scanning machines for customers.*
- *Providing technical support both on-site and at the company. Following the solutions of technical cases coming from customers via email, telephone, or the sales team.*
- *Making daily task distributions within the team. Solving malfunctions and customer complaints by telephone and email.*
- *Periodically organizing advanced training seminars for all devices purchased by customers. Performing periodic and corrective maintenance of systems at the customer site.*
- *Traveling internationally to visit customers. Acting as the ambassador at the customer site.*
- *Detecting and solving malfunctions and complaints related to electronics, mechanics, pneumatics, software, and process technical parameters.*

- *Advising customers on the effective deployment of system upgrades and spare parts.*
- *Providing detailed reports of field issues for new products in the field. Reporting structural issues and findings for improvement and preparing service reports. Repairing systems and spare parts in our workshop and keeping machine lists up to date.*

Skills: *Rapid Prototyping Management · SLA · FDM · Hands on Installations · Knowledge Center Management · Geometric Dimensioning & Tolerancing · Analytical Skills · Technical Support · Communication · 3D Modeling · Mechanical Product Design · Prototyping · Engineering Design · Autodesk Inventor · Design Engineering · Mechanical Engineering · Problem Solving · 3D Computer Aided Design (CAD) · SolidWorks · 3D Printing · Additive Manufacturing · Formlabs · Zortrax · Makerbot*

Education

Istanbul Yildiz Technical University, Mechanical Engineering
Sep 2009 — Dec 2015 Istanbul, Turkey

Izmir Bornova Anatolian High School, Math & Science
Sep 2005 — Jun 2009 Izmir, Turkey

Courses

Python Programming Language, C & System Programmers Association
Apr 2022 — Nov 2023

Git & GitHub Bootcamp, Colt Steele
Feb 2023 — Feb 2023

Statistics for Data Science, Udemy
Dec 2022 — Dec 2022

Introduction to SQL , Data Science School
Jun 2022 — Jun 2022

Web Developer Bootcamp, Colt Steele
Mar 2023 — Apr 2023

Introduction to Programming, Cenk Sener
Mar 2022 — Apr 2022

Process Designer, Ford Motor Company
Apr 2020 — Apr 2020

Catia V5 (Advance Surface Modelling), GRUP OTOMASYON PLM
Dec 2019 — Dec 2019

Catia V5, GRUP OTOMASYON PLM
Oct 2019 — Nov 2019

AutoForm, GRUP OTOMASYON PLM
Oct 2019 — Nov 2019

SolidWorks, Yildiz Technical University
Nov 2015 — Dec 2015

AutoCAD 2D/3D, Bemka Kariyer
Jun 2012 — Sep 2012