

Coding in the Fast Lane

Microsoft Power Platform

Edit Kapcari



ORBIS SE

Edit Kapcari

4 Years Experience with Power Platform
Head of Solutions Development | Advisor



@SheCodez



YASOON

#DevAndDonuts



Agenda



5'
What is Power
Platform



5'
Demo
Power Apps |
Copilot



5'
How cute can
Power Apps be?



15'
Q&A

What is Microsoft Power Platform?



What is Microsoft Power Platform?



The Base



Personal Productivity

What is Microsoft Power Platform?



The Base



Personal Productivity



Business Productivity

Power Platform is a bouquet of **Azure services** bringing low-code/no-code development, workflow, and business intelligence tools to business users. These capabilities enable corporate end users to create solutions for themselves as well as to make them available for others to utilize. The efforts can streamline operations, reduce development costs and reliance on corporate IT, and improve business outcomes.

#CloudPlatform

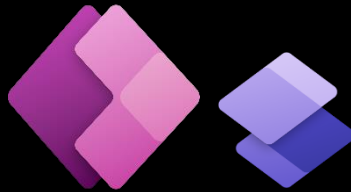
Microsoft Power Platform

No code, low code, and code first—all are welcome



Power BI

for low-code
data exploration,
analytics and reporting



Power Pages

Power Apps

for low-code
web and mobile
application development



Power Automate

for low-code
robotic process automation
or workflow automation



Power Virtual Agents

for low-code
chatbots and
conversational agents



Dataverse



AI Builder



Data Connectors

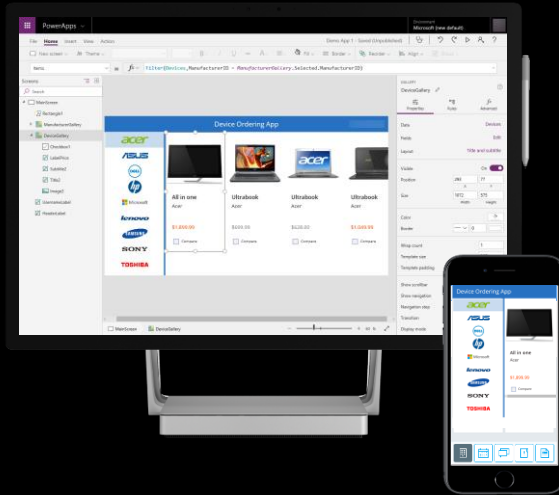


Power Fx



Power Apps

A low-code approach to building apps



Easily build web & mobile apps with a full featured low-code/no-code platform (primarily LOB + B2E apps today)

Connect to your existing data with 800+ pre-built connectors and custom connectors

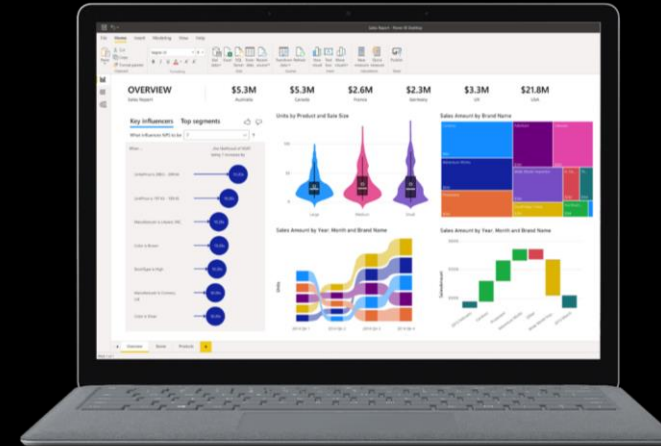
Strong enterprise governance & security

Pro-dev extensibility enable "no limits" development



Power BI

A low-code approach to self-service BI



Drive a data culture for everyone, every decision, at any scale

Empower every individual with familiar data experiences and AI infused insights

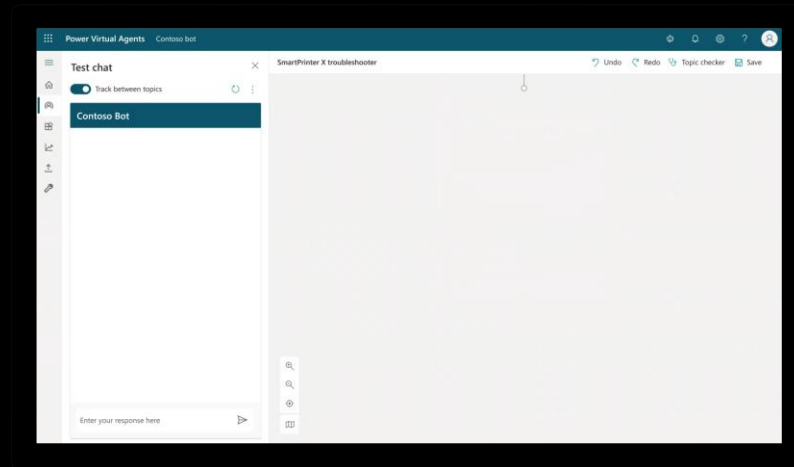
Infuse teamwork with data by weaving BI into the fabric of where you work

Scale to 100,000s of users, meeting the most demanding enterprise needs



Power Virtual Agents

A low-code approach to conversation



Engage with your customers and employees conversationally. Resolve routine issues easily, freeing up staff to focus on complex matters

Empower your subject matter experts. Easily create powerful bots using a guided, no-code graphical interface and AI-driven suggestions

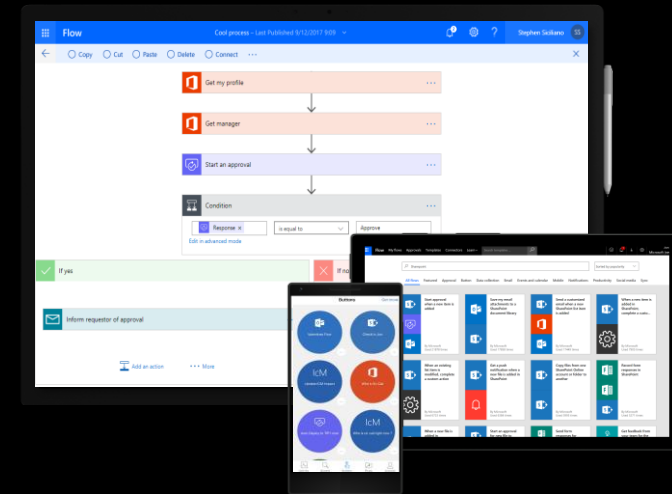
Less talk more action. Leverage all the Power Platform connectors or call APIs and custom processes using Power Automate

Easily extend your bots. Add even more complex capabilities using Microsoft Bot Framework



Power Automate

A low-code approach to automation



Model business processes and automate workflows and your apps and services

Connect to all your data with 800+ pre-built connectors, RPA and custom connectors

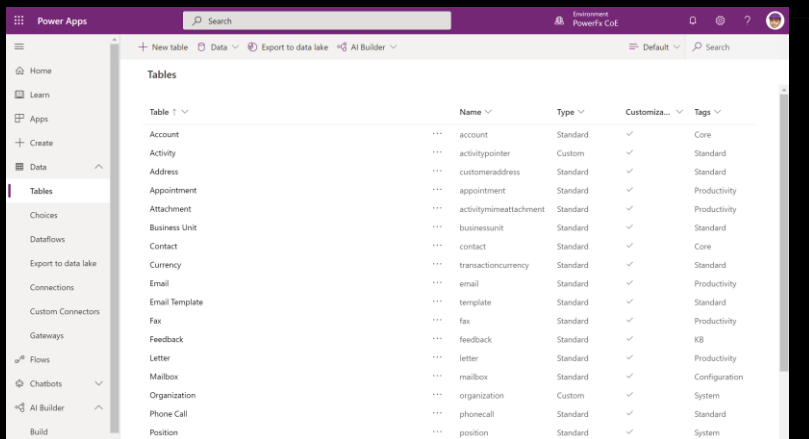
Strong enterprise governance and security

Pro-dev extensibility with Azure and custom logic



Microsoft Dataverse

A SaaS backbone of Power Platform Services



The screenshot shows the Microsoft Dataverse interface with a list of tables. The table has columns for Name, Type, Customization, and Tags. The tables listed include Account, Activity, Address, Appointment, Attachment, Business Unit, Contact, Currency, Email, Email Template, Fax, Feedback, Letter, Mailbox, Organization, Phone Call, and Position.

Name	Type	Customization	Tags
Account	Standard	✓	Core
Activity	Custom	✓	Standard
Address	Standard	✓	Standard
Appointment	Standard	✓	Productivity
Attachment	Standard	✓	Productivity
Business Unit	Standard	✓	Standard
Contact	Standard	✓	Core
Currency	Standard	✓	Standard
Email	Standard	✓	Productivity
Email Template	Standard	✓	Standard
Fax	Standard	✓	Productivity
Feedback	Standard	✓	KB
Letter	Standard	✓	Productivity
Mailbox	Standard	✓	Configuration
Organization	Custom	✓	System
Phone Call	Standard	✓	Standard
Position	Standard	✓	System

Dataverse lets you securely store and manage data that's used by business applications. Data within Dataverse is stored within a set of tables.

Dataverse includes a base set of standard tables that cover typical scenarios, but you can also create custom tables specific to your organization and populate them with data by using Power Query.

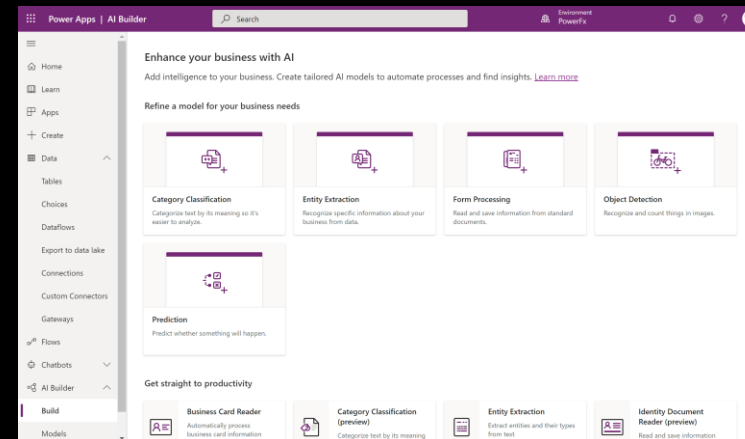
App makers can then use Power Apps to build rich applications that use this data. Standard and custom tables within Dataverse provide a secure and cloud-based storage option for your data.

Application Lifecycle Management (solutions) and Microsoft solutions – such as Microsoft Approvals – are based on Microsoft Dataverse



AI Builder

A low-code approach to Microsoft AI



AI Builder enables your business to use AI to automate processes and clean insights from your data in Power Apps and Power Automate.

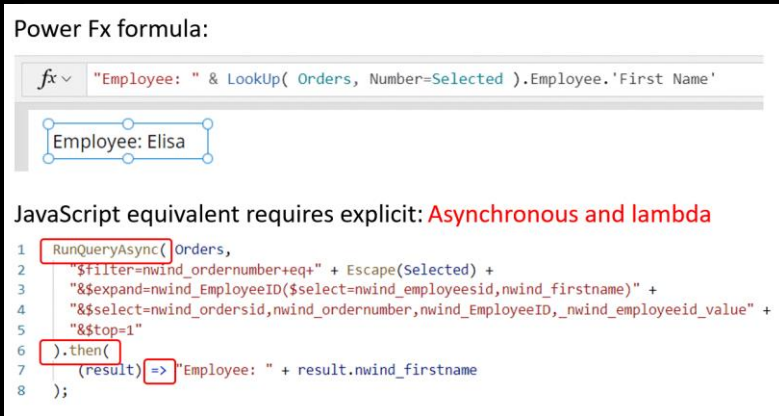
AI Builder is a turnkey solution that brings the power of AI through a point-and-click experience, so you don't need coding or data science skills to access the power of AI.

With AI Builder, you can build custom models tailored to your needs, or choose a prebuilt model that is ready to use for many common business scenarios.



Microsoft Power Fx

The low-code language used across Power Platform



Extracting and expanding the formula language that is in Power Apps Canvas today. Think Excel!

Reduce barriers by leverages the existing knowledge of millions of Excel users.

An open-source language that will be available for everyone to use and implement.

Accelerate with the simplicity of formulas and add code where it matters using favorite developer tools.

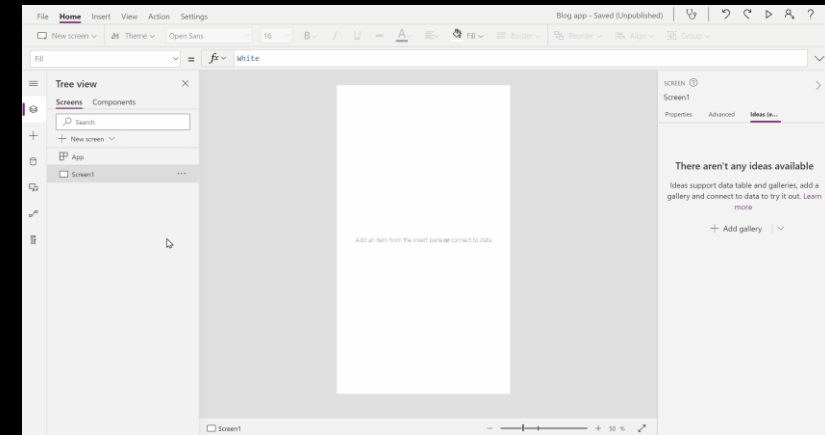
Building a complex solutions becomes as easy as building a spreadsheet.

Enabling a native experience for data sources, including Dataverse, Microsoft SQL Server and Sharepoint.



GPT-3 & PROSE

Transform natural language to code



Empower citizen developers to quickly unlock the power of formulas by transforming natural language to code.

Enable professional developers to speed up authoring by reducing time spent searching and tuning formulas.

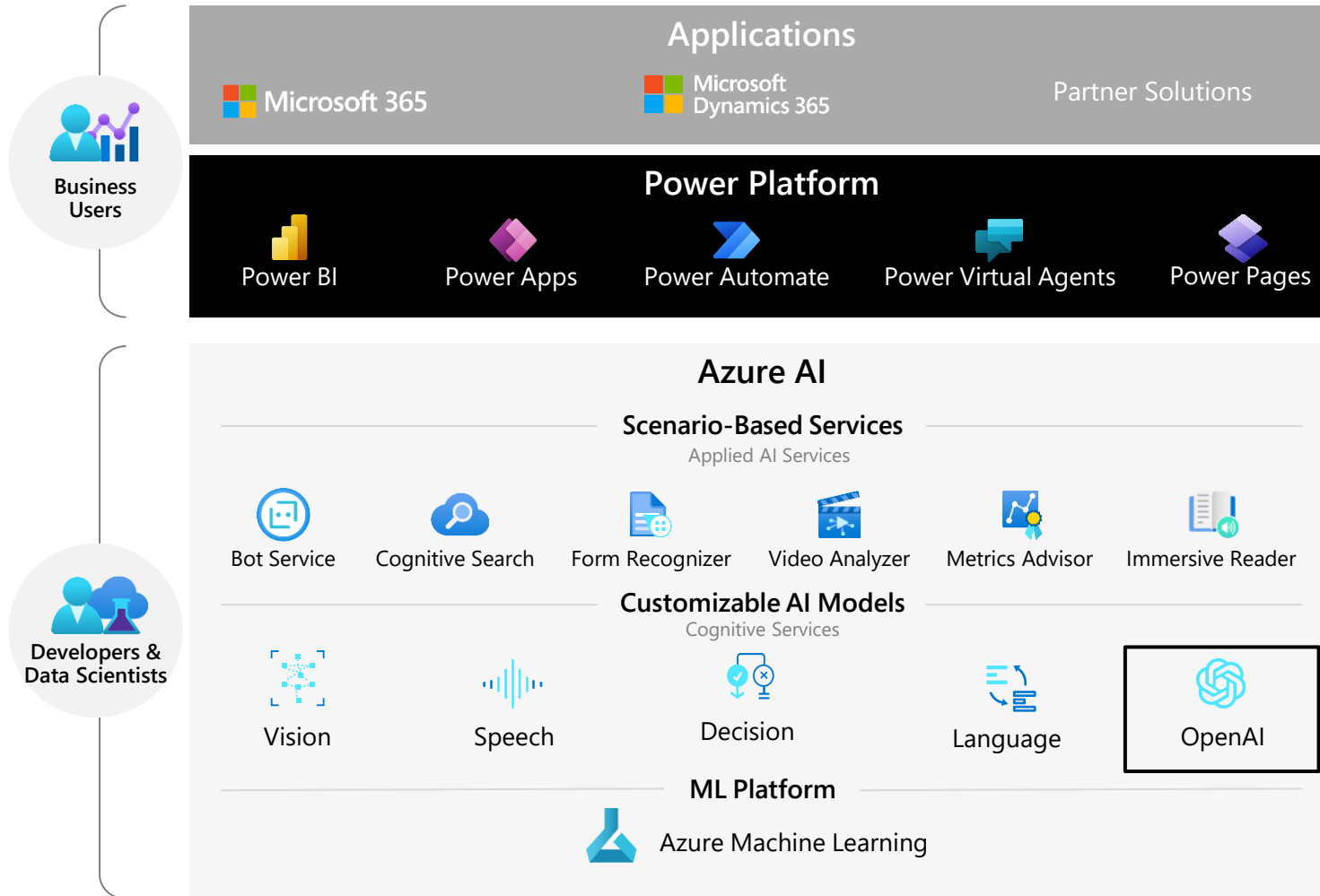
Supported in Gallery and Data tables first and expanding to more controls and formulas based on user feedback.

Increase productivity by enabling developers to program by example reducing time spent searching, writing, and fixing formulas.

Empower developers to easily manage and manipulate data within Galleries and Data tables, by applying patterns or formula on the original value.

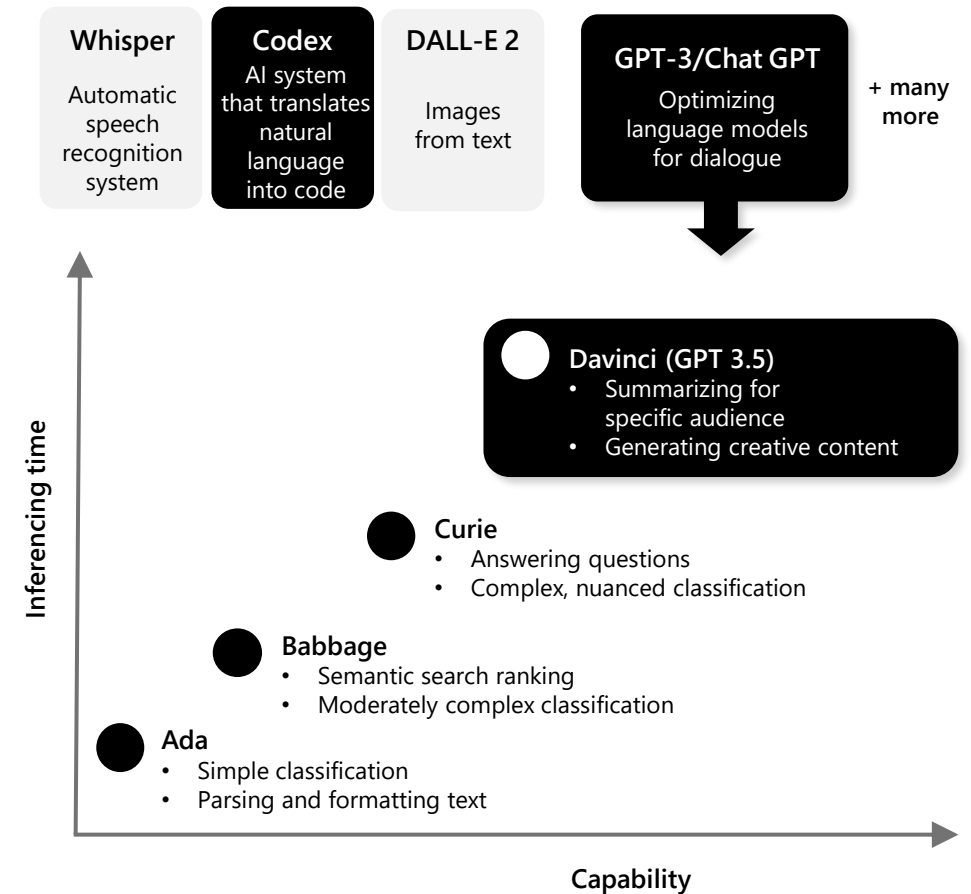


Microsoft Portfolio for AI



OpenAI is an AI research and deployment company. Azure Open AI Service brings together OpenAI API and Azure enterprise-level security, compliance, and regional availability.

Open AI Models



Power App | Copilots in Power Apps

DEMO



Shelf Check

Damage reporting process from inspection to repair

Inspection App

The app is created to help inspectors document damages on shelves. With this app inspectors can easily scan the shelf, select the level and the affected component. The damage can be categorized and documented with photos and notes.



The screenshot shows the 'Shelf Check' app interface on a tablet. At the top left is a user profile icon and the name 'Florian Helten'. At the top right is the text 'Stellplatz Sample value-2'. A large, tilted grey banner with the word 'censored' is placed over the top right corner of the app screen. On the left side, there is a vertical list of buttons labeled 'Level 1' through 'Level 10'. The 'Level 2' button is highlighted with a blue border. To the right of the level list is a 3D wireframe diagram of a multi-level shelving unit. Below the diagram, the section 'Stütze' (Support) is visible, followed by 'Schadenskategorie' (Damage Category) with three shield icons labeled 'Grün' (Green), 'Gelb' (Yellow), and 'Rot' (Red). Below this is the 'Schadensinformation' (Damage Information) section, which includes a text input field labeled 'Beschreibung' (Description). At the bottom left of the form is a button with a camera icon labeled 'Foto hinzufügen' (Add photo). At the bottom center are two buttons: 'Zurücksetzen' (Reset) and 'Speichern' (Save). At the bottom right is a button labeled 'Fertig' (Done).

Developed by: Florian Helten, Orbis SE

Hörmann

Construction Site App

Canvas App for measuring doors and gates

Canvas App

In the mobile app constructors can select construction sites, choose floors and products from interactive overviews, and input measurements for the selected product directly within the app. The app was designed in light and dark mode

Bremer AG
Aufmaß SPUF42

Produkt

Produkttyp **Tür** Fotos **3**

Rohbaumaße Soll 2400 x 2400

Breite Oben 2385 -15mm Abweichung	Sturz 2400 0mm Abweichung
Breite Mitte 2392 -8mm Abweichung	Höhe 1 2405 +5mm Abweichung
Breite Unten 2392 -8mm Abweichung	Höhe 2 2392 -8mm Abweichung

Anschlag Meterriss

Bestellmaße Soll 2400 x 2400

Breite 2385 -15mm Abweichung	Höhe 2400 0mm Abweichung
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Wandmaße

Putz BS	2385	Putz BGS	2385
Wandstärke L	2385	Wandstärke R	2385

Maulweite **2385**

Aufmaß

Aufmaß - Nicht OK

Kommentar
Lorem ipsum dolor sit amet, consetetur
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invidunt ut labore et dolore magna aliquyam erat

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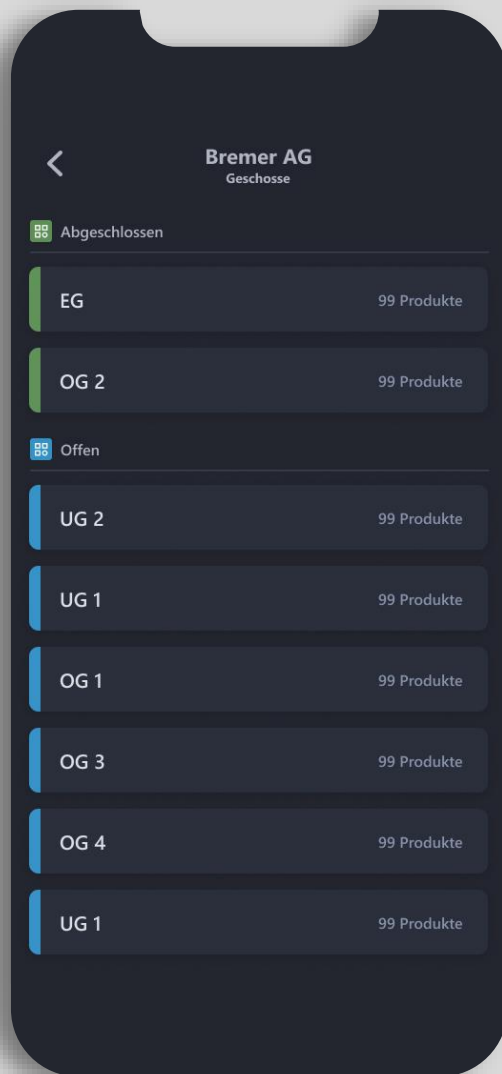
Maulweite **2385**

Aufmaß

Aufmaß - Nicht OK

Kommentar
Lorem ipsum dolor sit amet, consetetur
sadiptscing elit, sed diam nonumy eirmod tempor
invidunt ut labore et dolore magna aliquyam erat

Developed by: Florian Helten, Orbis SE



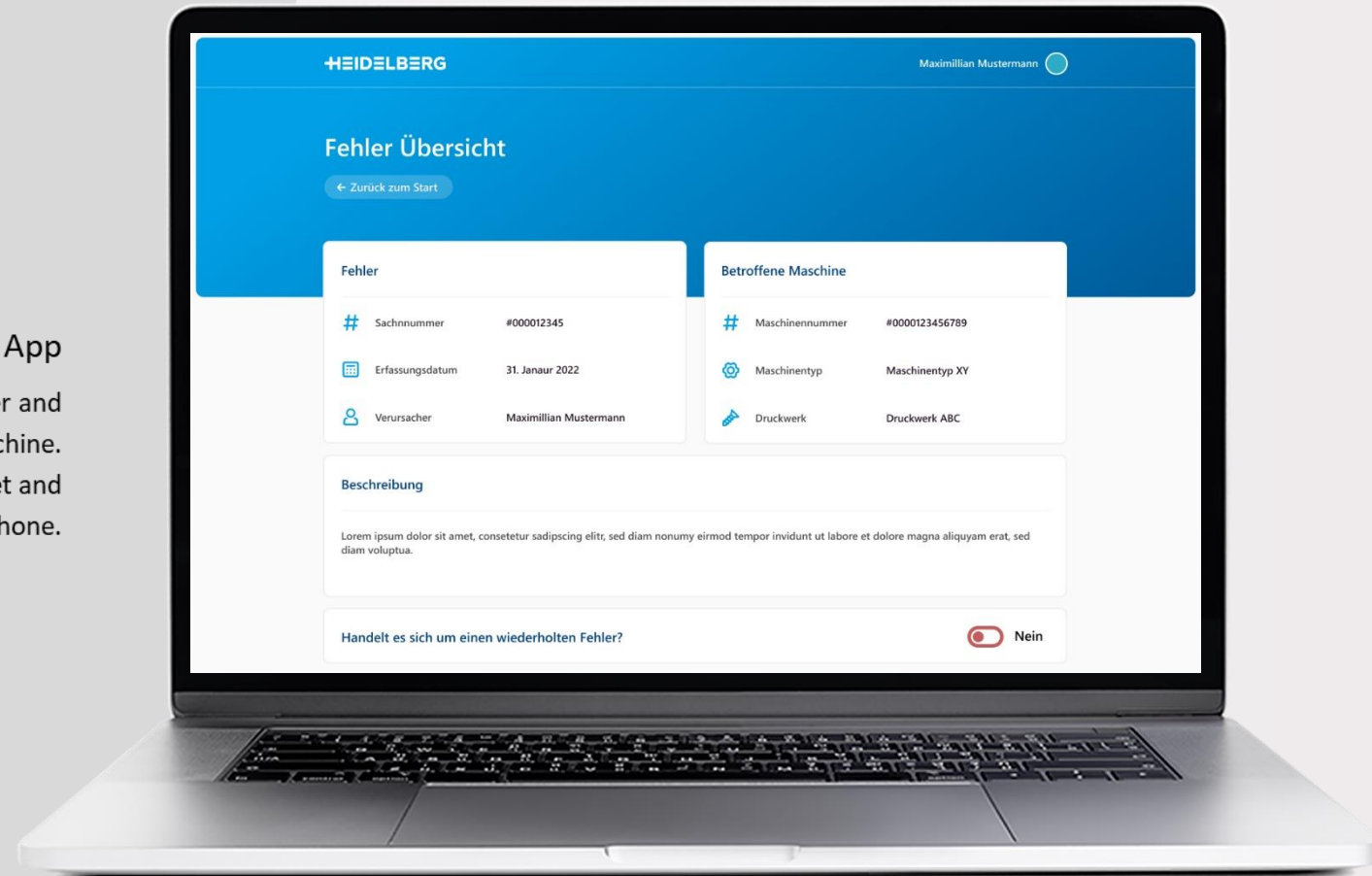
Heidelberger Druckmaschinen

Error Message

App to display error messages from printing machines

Canvas App

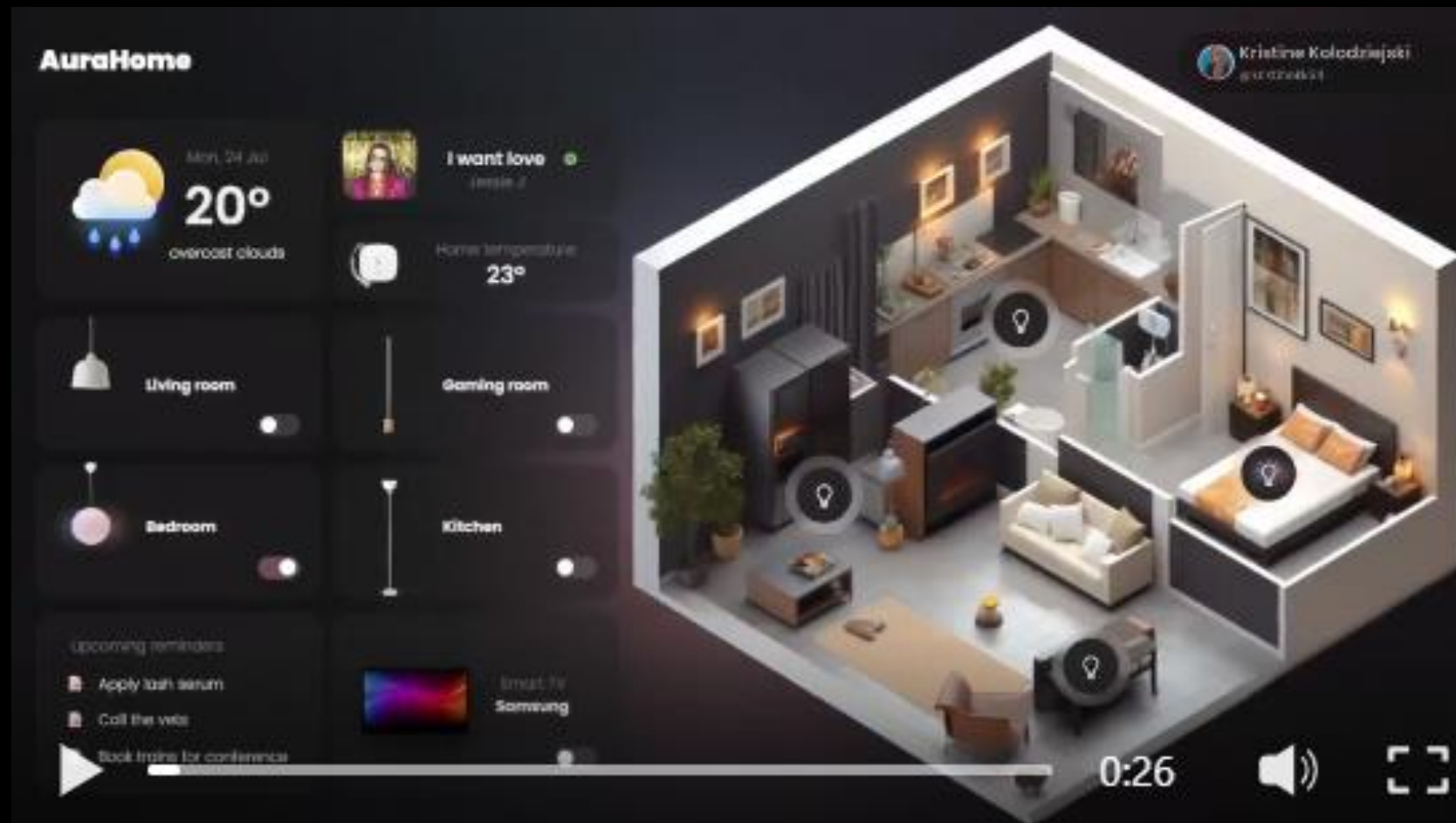
Users can search an item by inserting the item number and view all informations and errors regarding this machine. The app was designed responsive for desktop, tablet and phone.



Developed by: Florian Helten, Orbis SE

Smart Home

Developed by: Kristine Kolodziejski



The Future will be AI Generated and Impatient

AI will transform traditional software development #Kill[InsertYourChallenge]Mindset

