SAP Business Unleashed Innovation Day

When you connect everything, you can achieve anything.

Unleash SAP Business AI to Unlock New Innovations and Productivity

Drive relevant outcomes ✦ Trust reliable results ✦ Adopt AI and scale responsibly

◀ Signavio — LeanIX — WalkMe — **AI-Assisted Cloud Transformation** — CALM — Joule for Consultants — and more ▶

Joule

Joule agents

Embedded AI capabilities

Financial Management	Supply Chain Management	Human Capital Management	Spend Management	Customer Experience	Business Technology Platform

Customized AI
based on AI foundation

AI Foundation
on SAP Business Technology Platform

AI ecosystem partnerships and investments

ALEPH ALPHA · ANTHROPIC · aws · cohere · databricks · Google Cloud · IBM · Meta · Microsoft · MISTRAL AI_ · NVIDIA

SAP Business Data Cloud

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SAP Business Data Cloud

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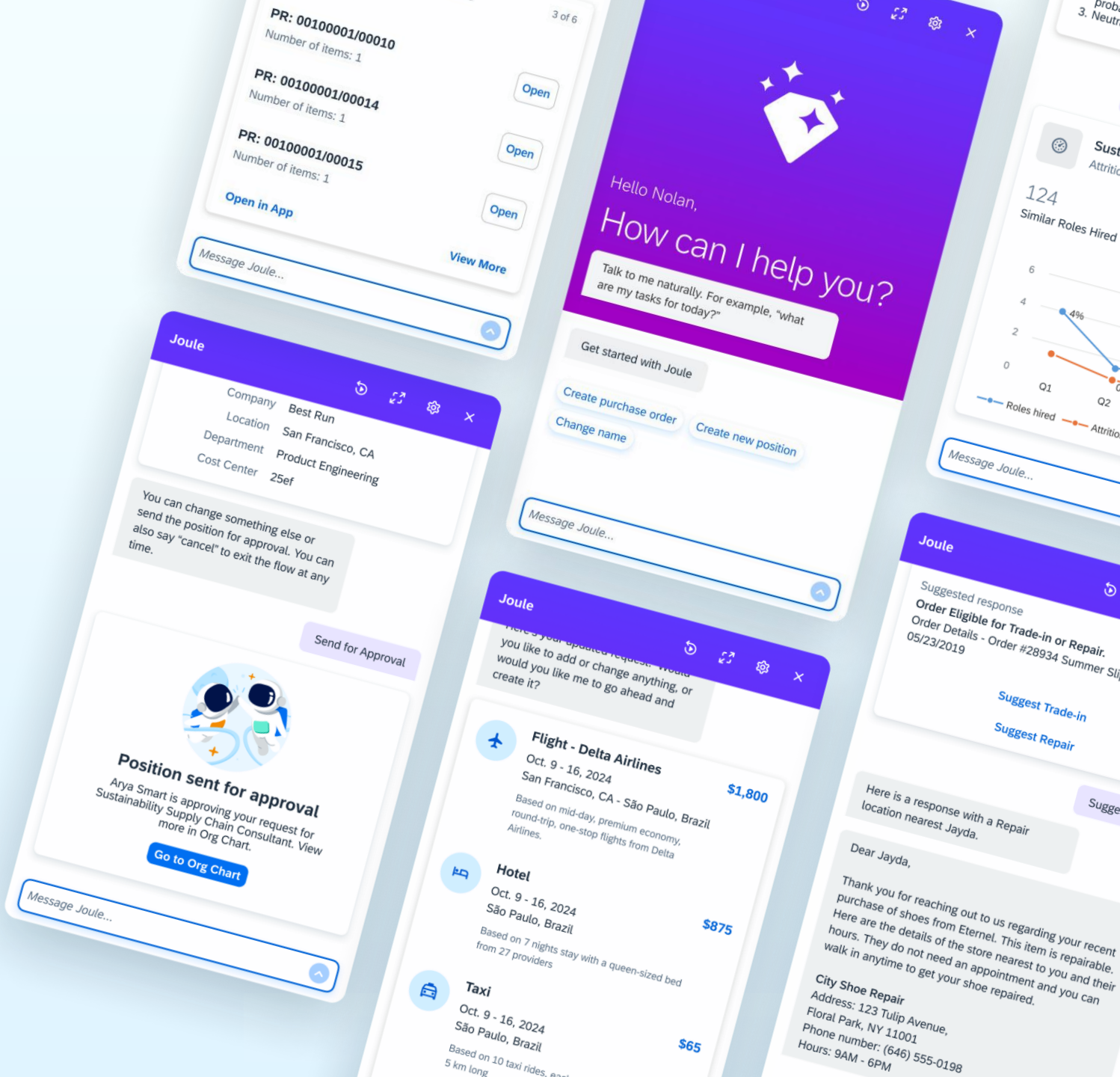
Joule

Makes every touchpoint count and every task simpler

Learn More



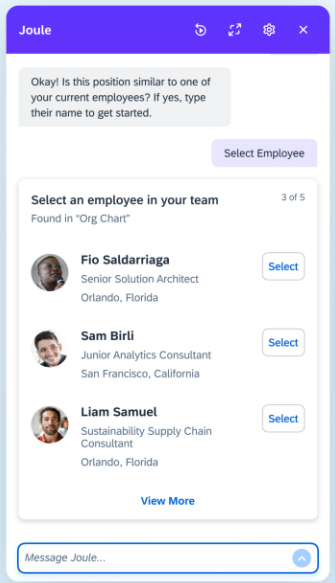
Joule for every business function

...with more to come

Human Resources

Recruitment

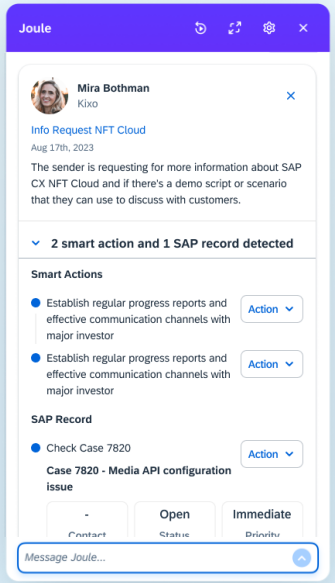
Available



Sales

Sales management

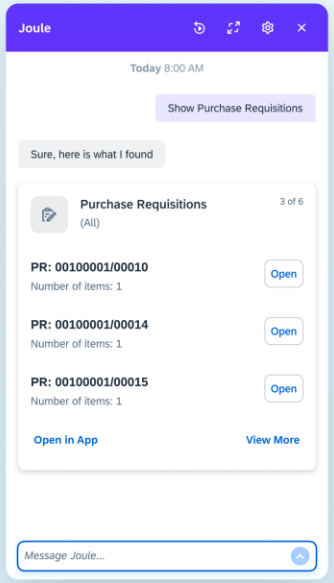
Available



Procurement

Operational purchasing

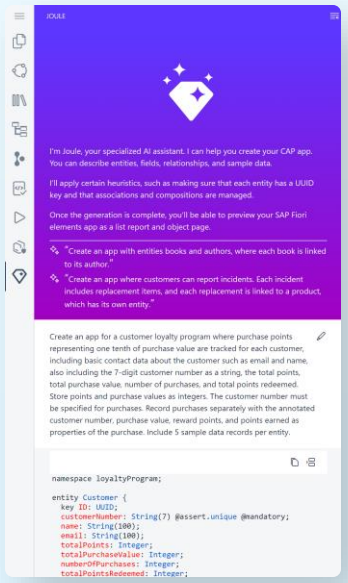
Available



IT

Code generation

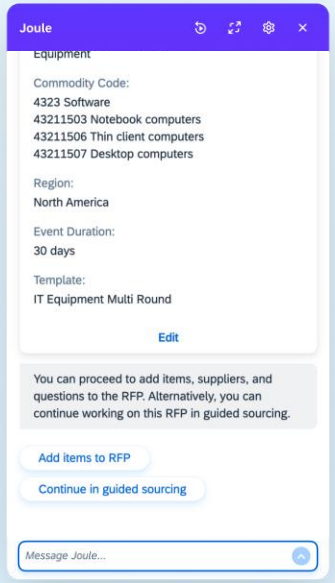
Available



Sourcing

RFP creation

Available



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Joule studio

in SAP Build

1 Joule

Extend Joule with Joule skills

2 BUILD

Build your own AI Agents

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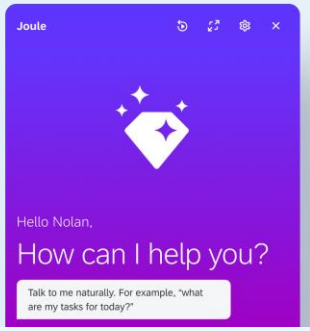
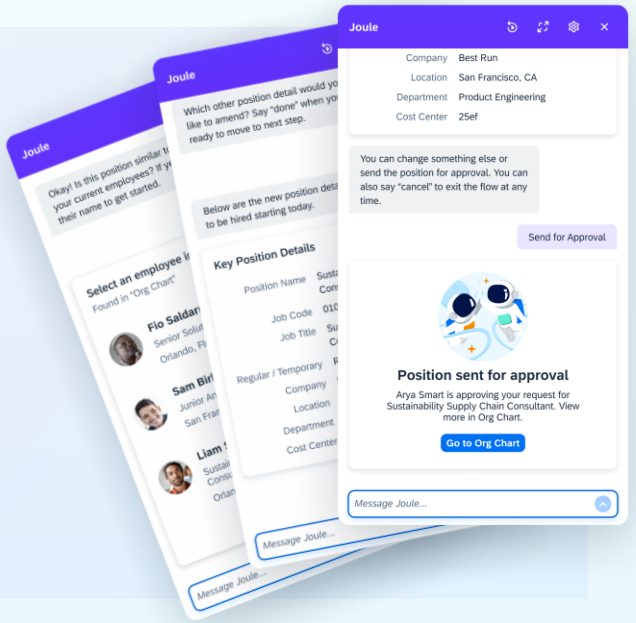
AI is the new **UI**



embedded across the suite

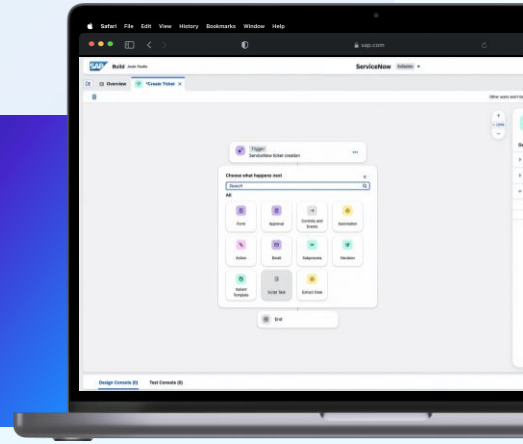
available on mobile

integrated



Joule studio in SAP Build

Build your own skills

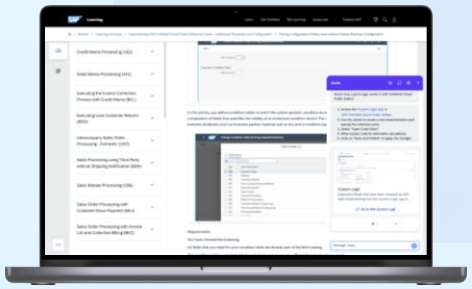


>900 active users (in January)

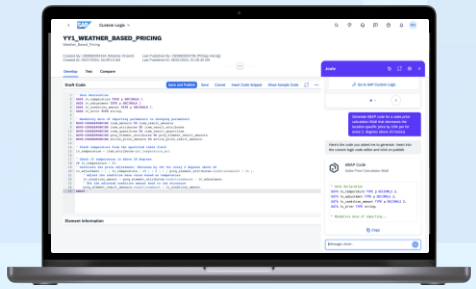
NPS 87 (in pilot phase)

Joule

for consultants



for developers



Today

130
Generative AI use cases

AI Foundation on SAP BTP

75
new capabilities

empowering customers & partners to build tailored AI experiences

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Joule agents

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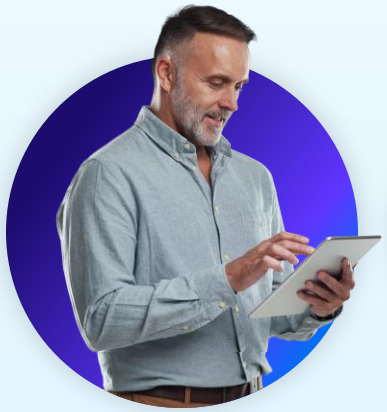
You are at the center of what we do

Each challenge is unique, yet you all demand more intelligent and connected technology solutions to succeed

CFO

CPO

CHRO



COO

CIO

CRO

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AI-Assisted Maintenance Order Recommendations

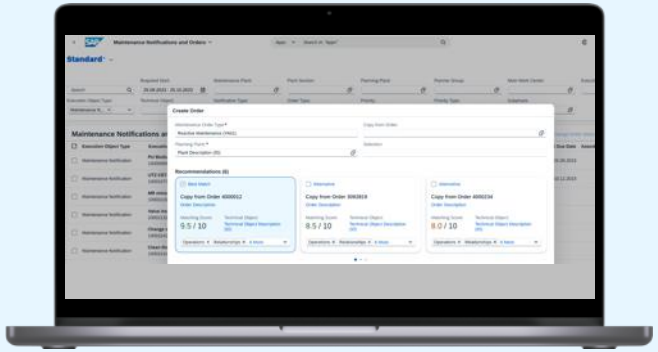
With SAP S/4HANA Cloud Private Edition

Challenge

Mike, Maintenance Planner

"As a maintenance planner, I handle numerous maintenance requests every day. I need an efficient way to plan maintenance orders that minimizes machine downtime while ensuring safety."

Solution



AI-assisted maintenance order recommendation in RISE with SAP uses historical data to suggest maintenance orders based on previous resolutions, making it easy for planners to copy recommen-dations and initiate new orders without starting from scratch.

For Mike, this means streamlined planning through pre-populated templates, faster decision-making with a self-learning algorithm that adapts to current needs, and minimized machinery downtime by leveraging solutions aligned with best practices.

Benefits

~560 %

ROI

~5,000 hours

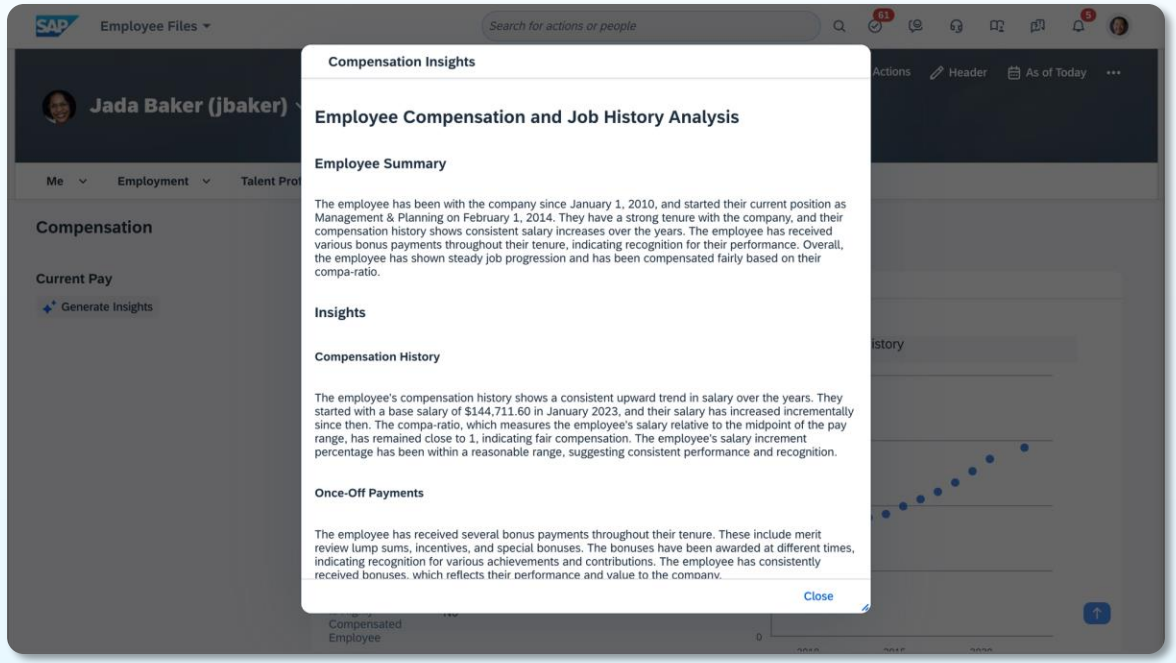
saved by streamlining maintenance order creation

Increased

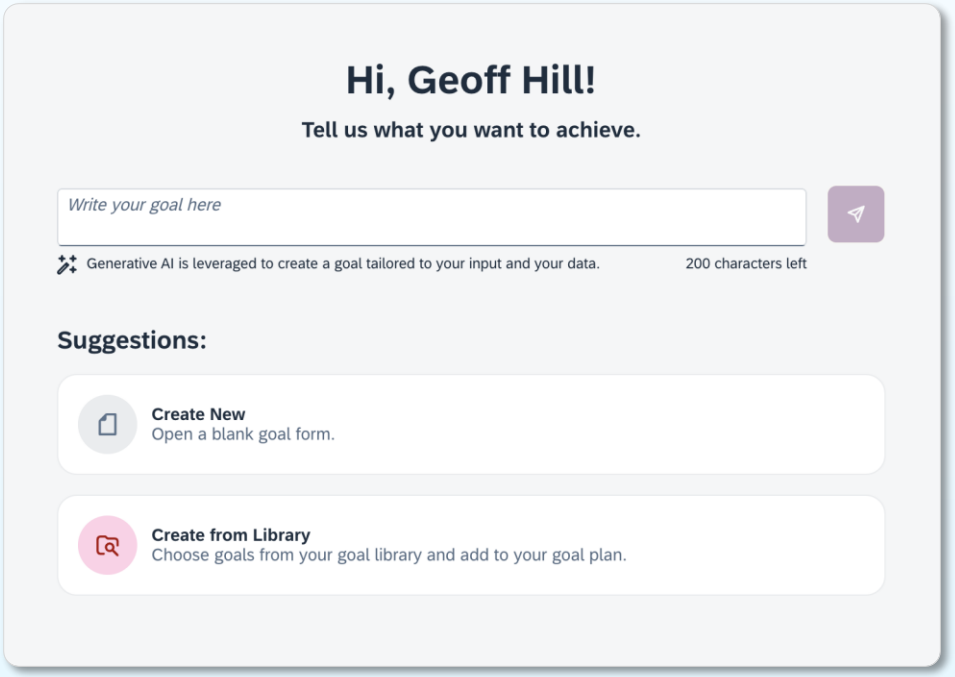
efficiency in maintenance planning

* Based on SAP internal benchmarks and expert views

More Generative AI scenarios in SAP SuccessFactors



AI-assisted compensation discussions (available 1H 2024 release)



AI-assisted goals (available 1H 2024 release)

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400

embedded AI use cases

In 2025

explore available use cases

AI Feature Catalog

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Customer Stories

Galicia

>70% reduction in job description validation time.

2 days to validate job descriptions, down from one week.

دارالسلام است

Darussalam Assets

4x more efficient hiring process.

75% reduction in recruitment duration

Mahindra

View More Stories

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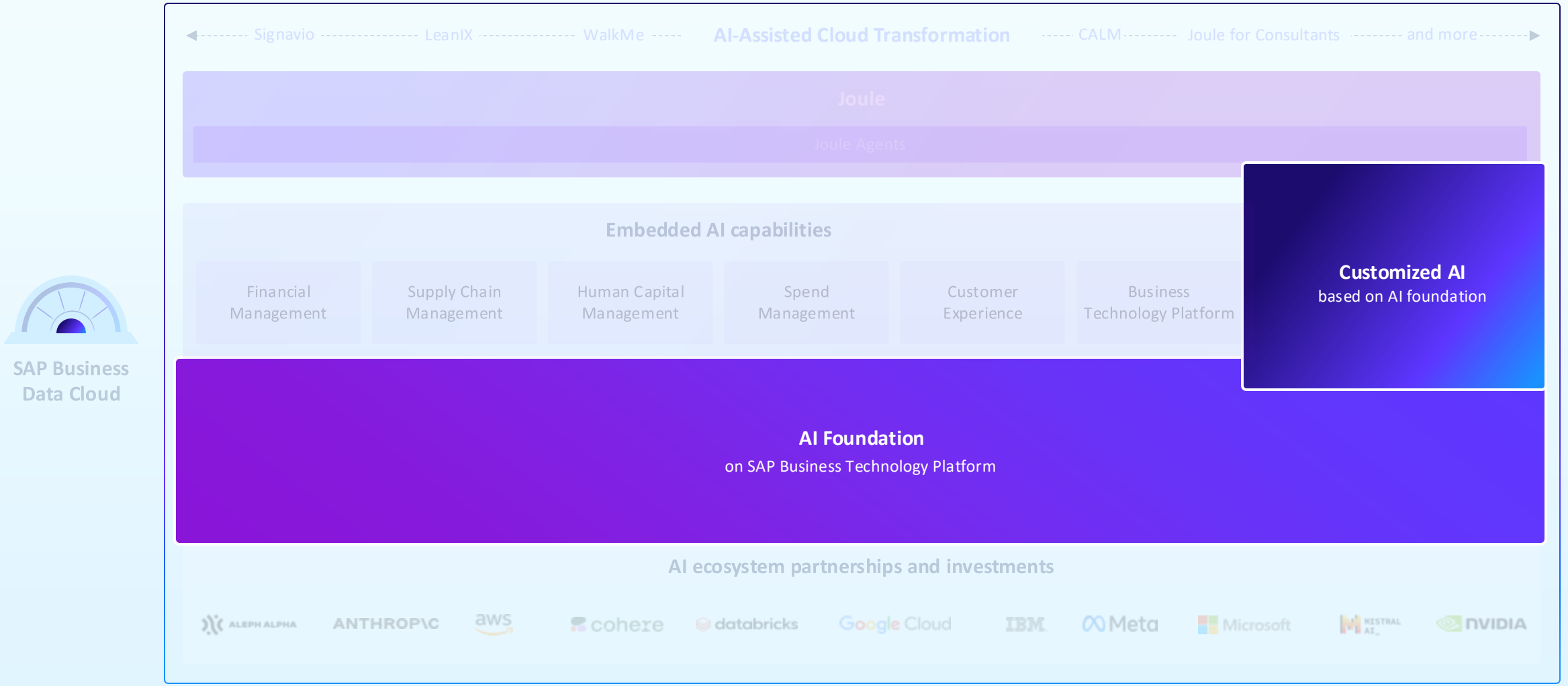

SAP Business Data Cloud

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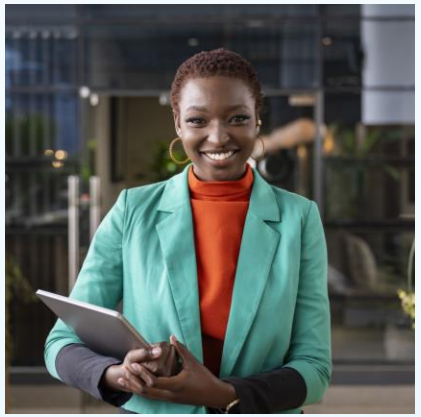
Boost efficiency with generative AI-powered experiences

Developer

Code generation, real-time documentation assistance, and data insights extraction

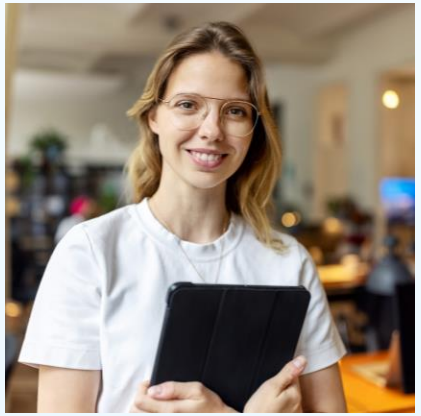


Solution Architect

Automate complex integrations while ensuring security, reliability, and performance.

BTP Admin

Scripting complex workflows across multiple UIs.



Business Process Expert

Difficult to model, build, monitor and track the impact of process improvement

Data Stewards and Analysts

Lower barrier to data access and insight generation

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SAP Consulting Capability in Joule

Save consultants up to 1.5 hours per day

Fast, concise, and specific answers distilled from exclusive content from SAP

Step by Step instructions and examples

Recommendations on best practices and product features

Joule for developers, ABAP AI capabilities

Save developers 40% of time writing and interpreting ABAP Code

Accelerate application development with Joule Integrated in ABAP Development Tools

Empower developers with ABAP AI SDK to access GenAI models on SAP BTP

Transform your SAP ECC & S/4HANA system by ensuring Clean Core principles

Joule is trained using

200,000+
pages of SAP documentation and learning content

50+
SAP Certifications

2+
TB of expertly-curated SAP Communities content

250 Million
lines of ABAP Code from SAP systems

390K
ABAP Classes

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Joule for Developers

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Joule for developers

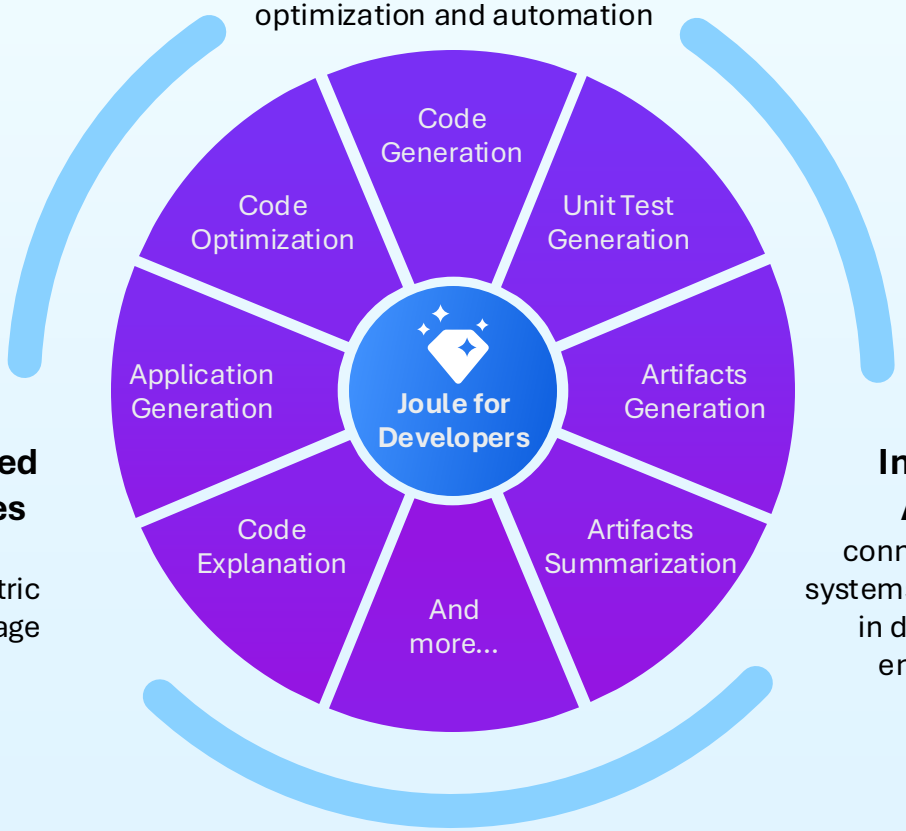
Unified offering for AI capabilities across SAP Build solutions

Comprehensive AI capabilities
for new application development, existing code optimization and automation

SAP Build Code

ABAP Environment

Specialized outcomes
powered by SAP-centric large language models



Integrated AI tools
connected to SAP systems and integrated in development environment

SAP Build Apps

Low-code AI-assisted development

SAP Build Process Automation

Designed to accelerate automation workflows

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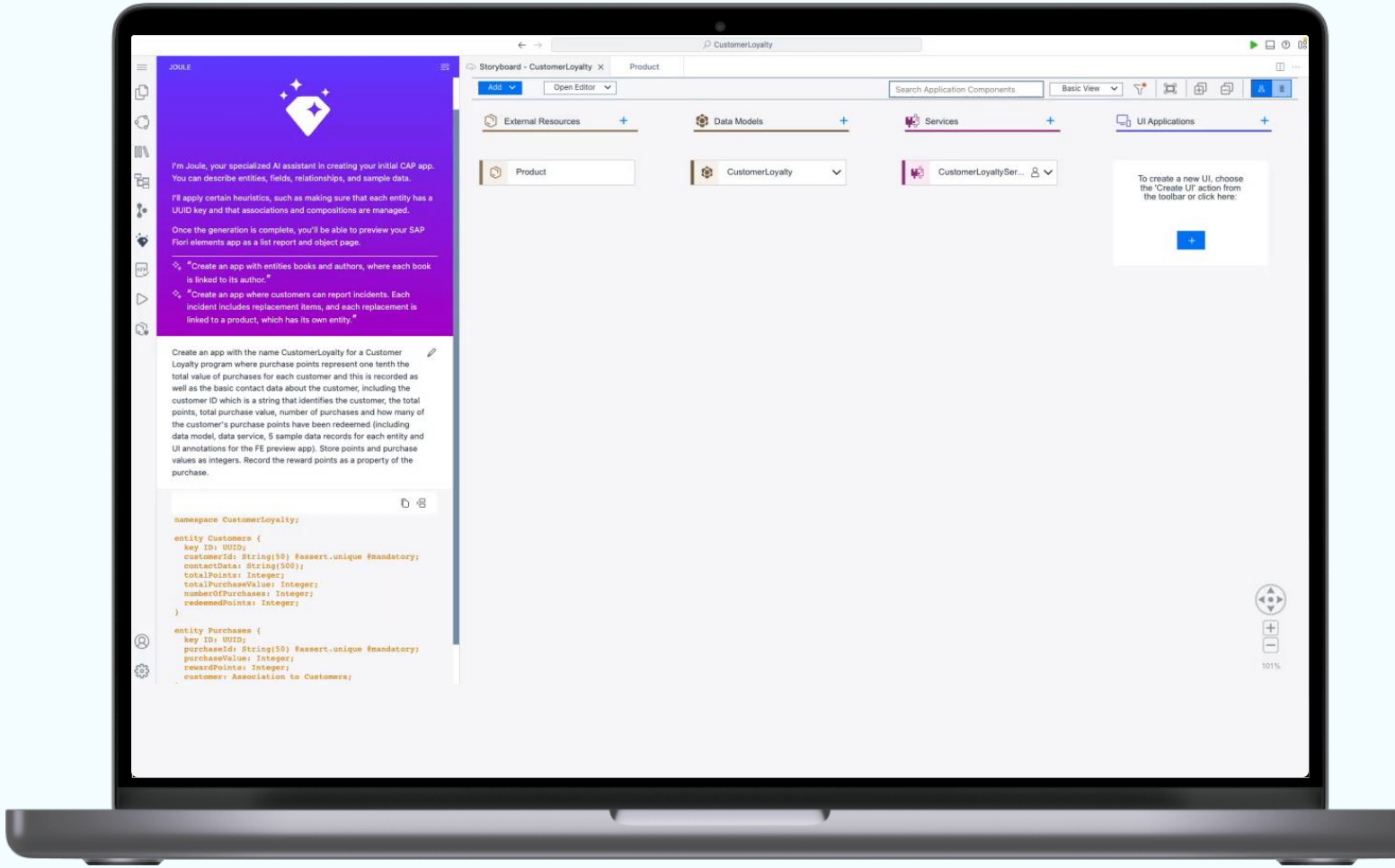
Streamline application development from concept to optimization with Joule for developers

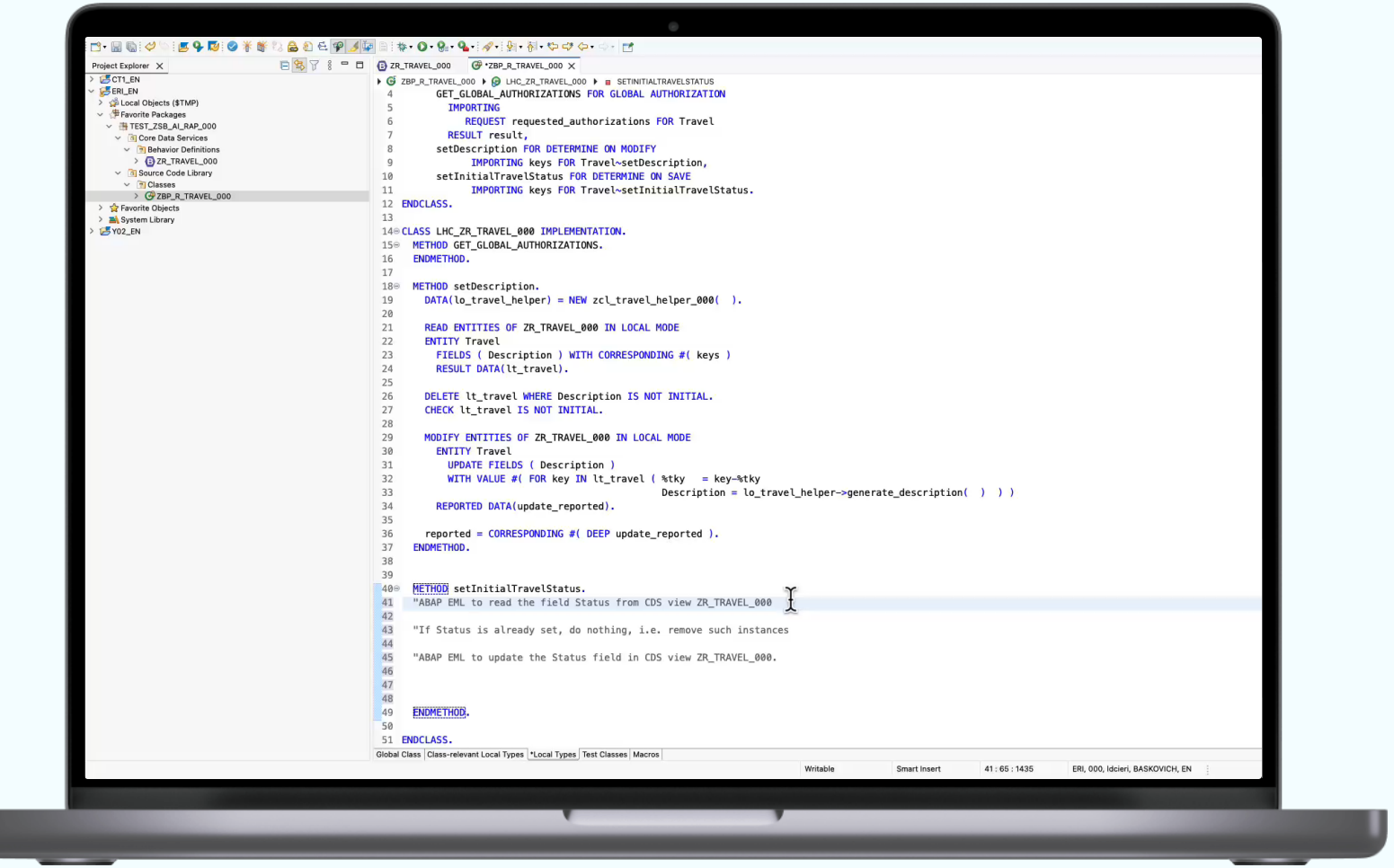
GA

- Generate full-stack applications from scratch
- Generate application & business logic
- Support UI5 freestyle application development
- Generate application UI



Enable faster and smarter development with AI-assisted code refactoring

GA

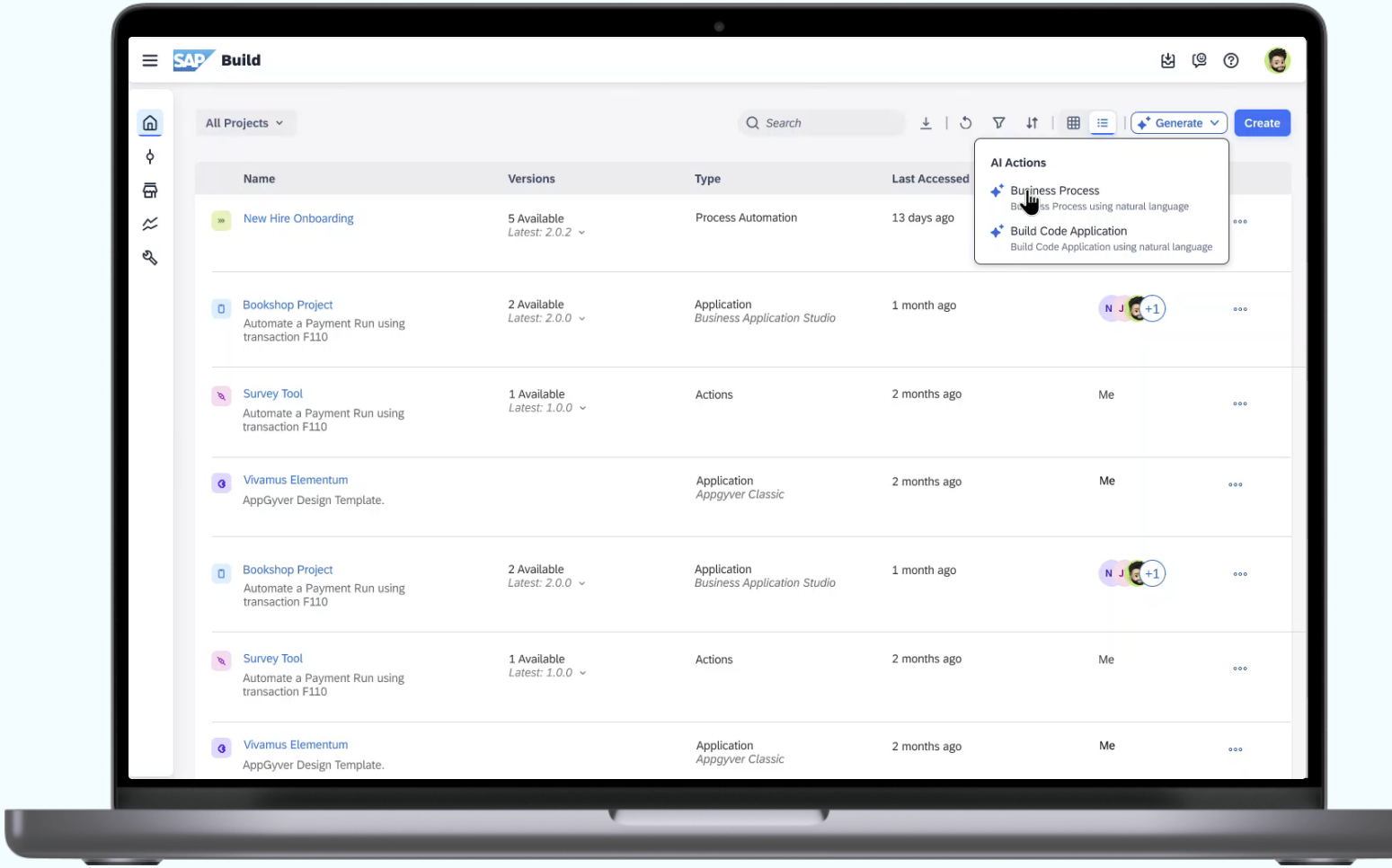


- Inline code completion in Java/JavaScript and ABAP
- Code refactoring available in ABAP environment and SAP Build Code
- Code explanation, code search, and comments generation

Accelerate low code automation and application development with AI

GA

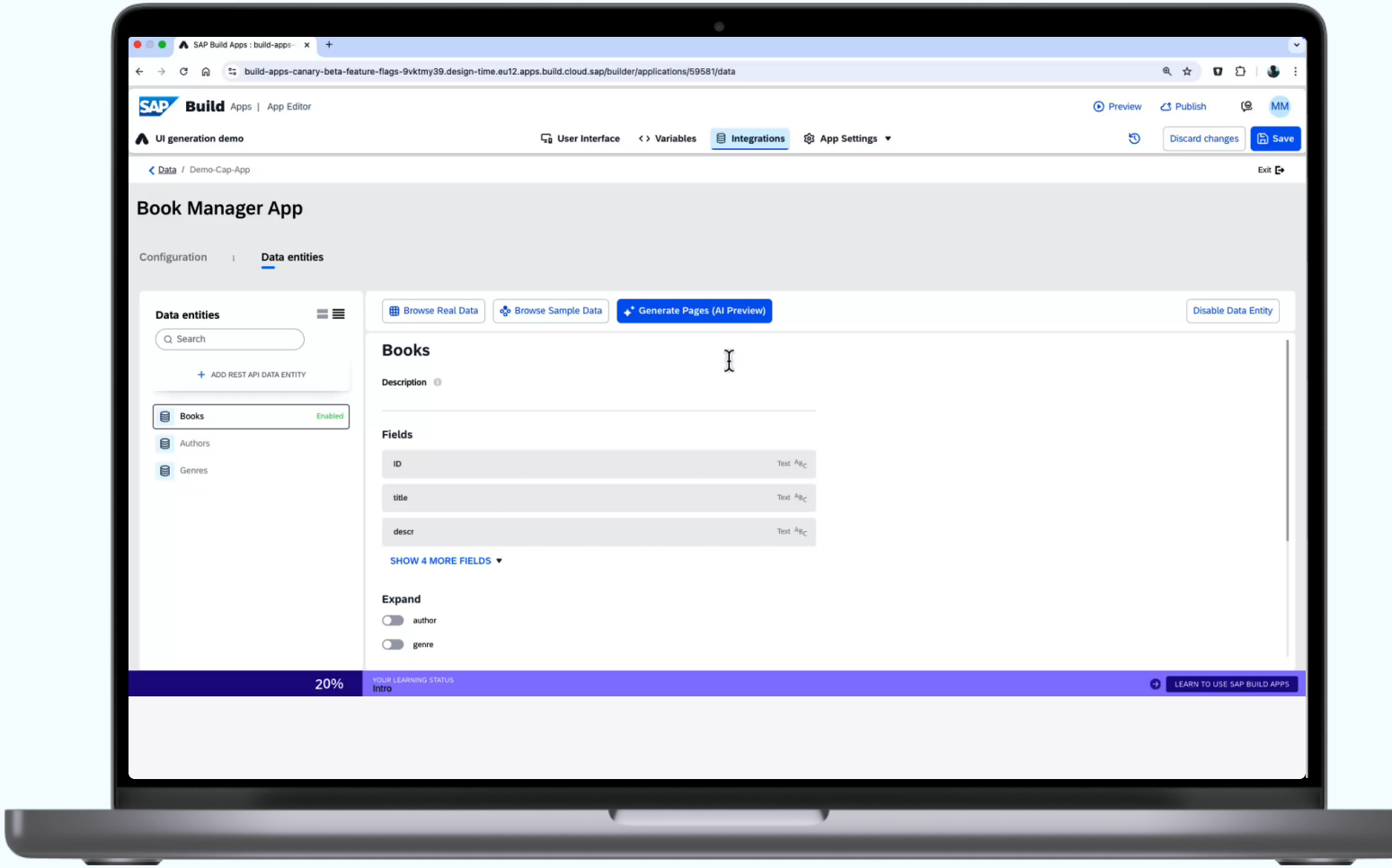
- Generate processes, decisions, forms, and scripts
- Summarize complex artifacts such as processes and decisions
- Generate UI intuitively from data entities without code



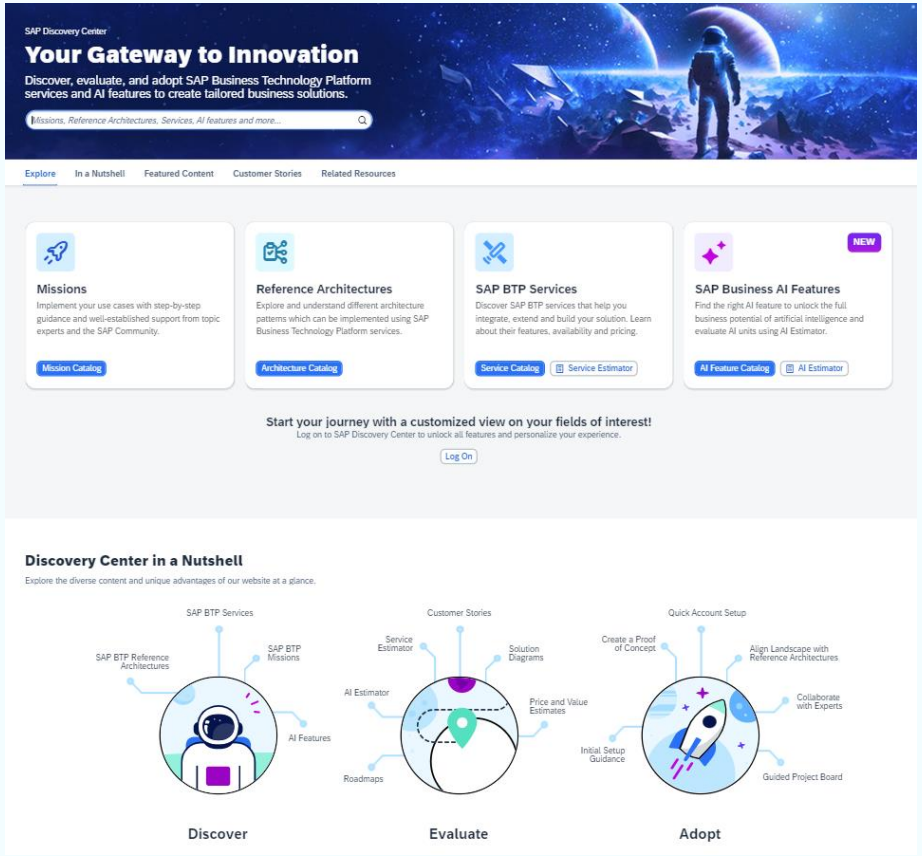
Integrated AI for low-code development

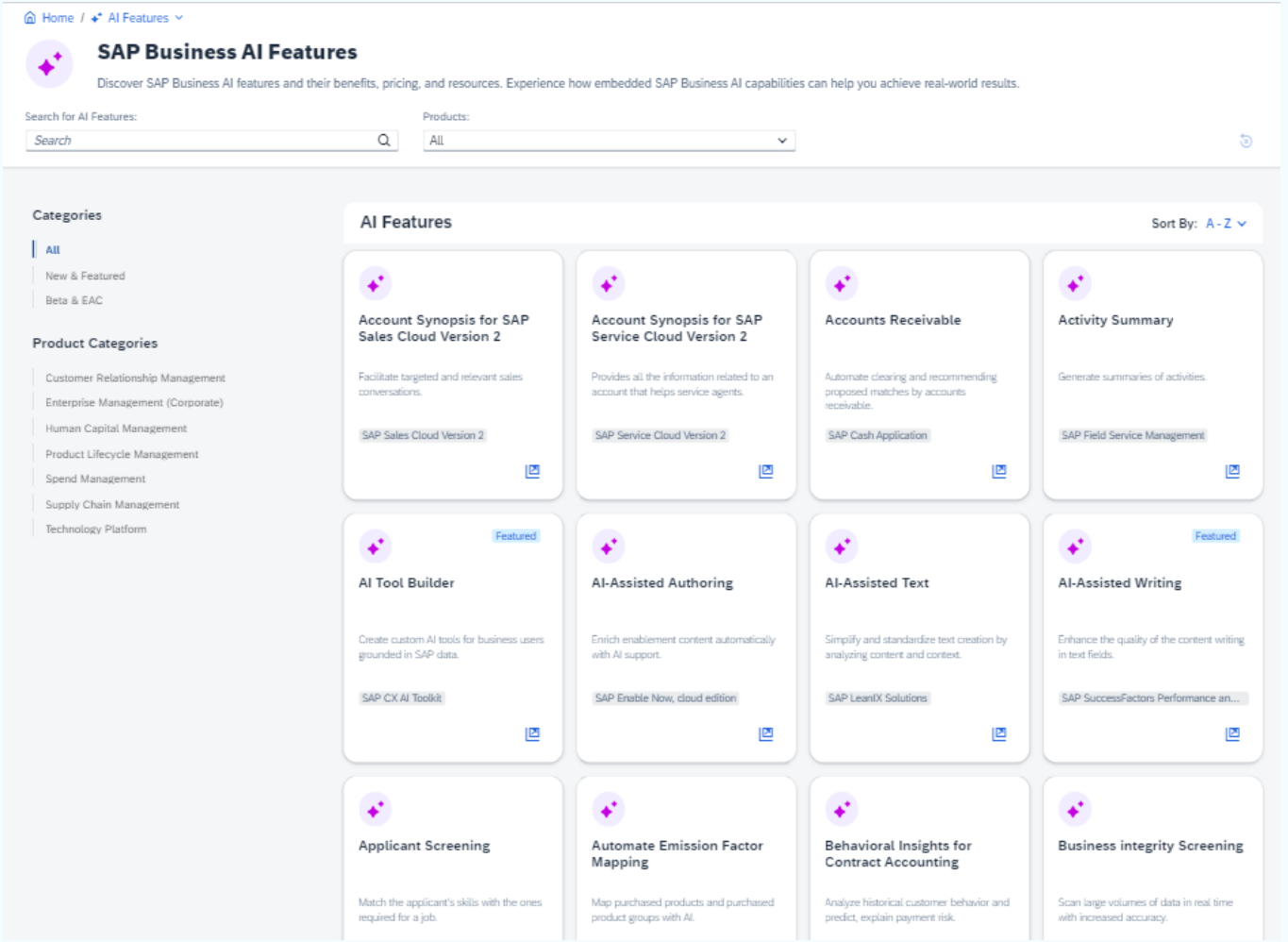
GA

- Generate process artifacts with ready-to-use templates
- Summarize complex artifacts, including processes and decisions
- Create UIs automatically from data entities without coding



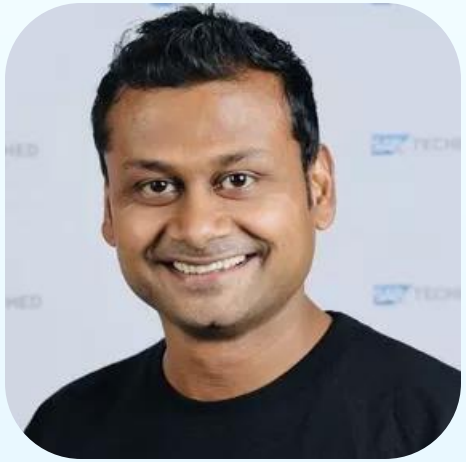
SAP Discovery Center





https://discovery-center.cloud.sap/index.html

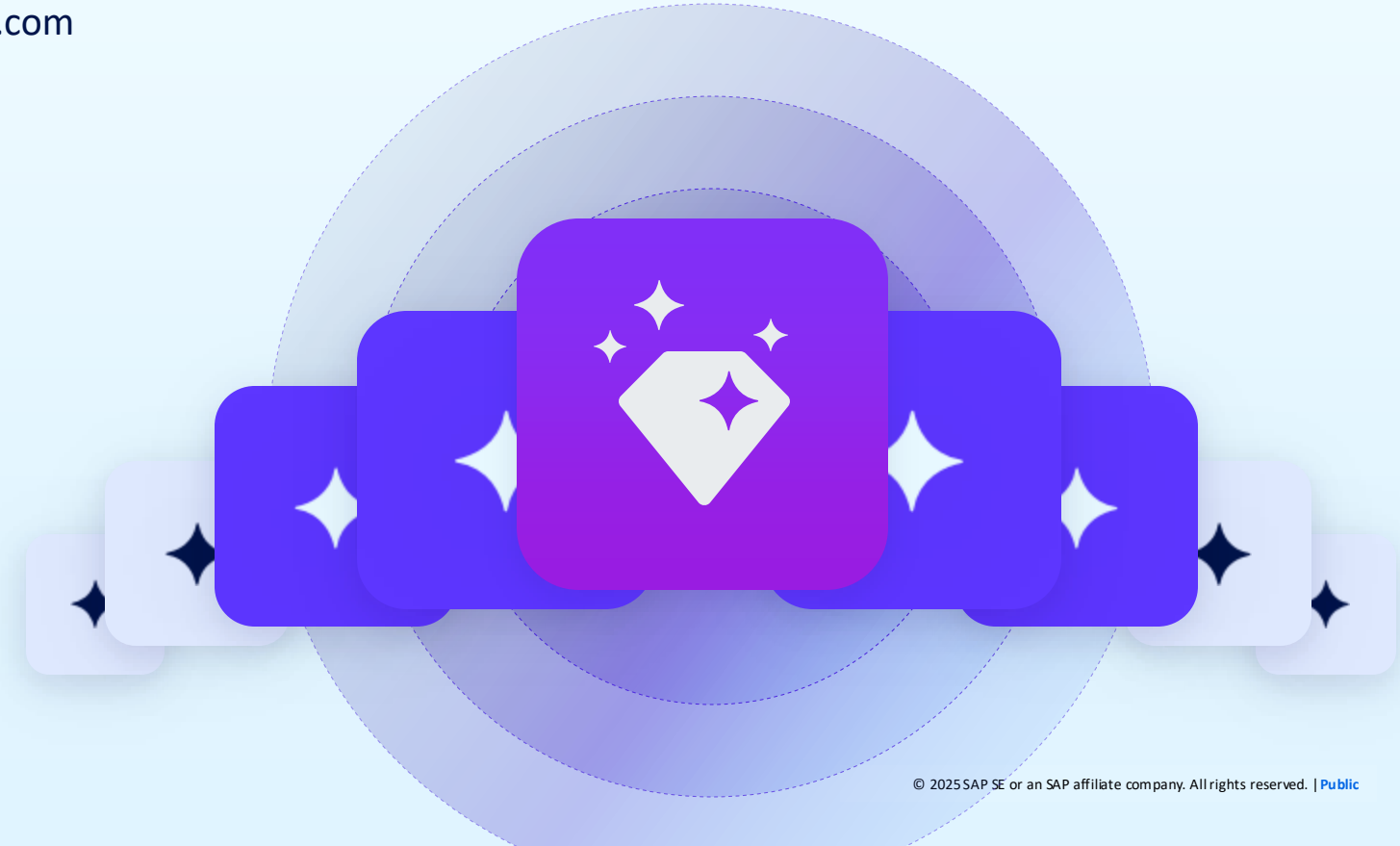
Thank you



Murali Shanmugham

Global Business AI Strategy Advisor

Murali.Shanmugham@SAP.com



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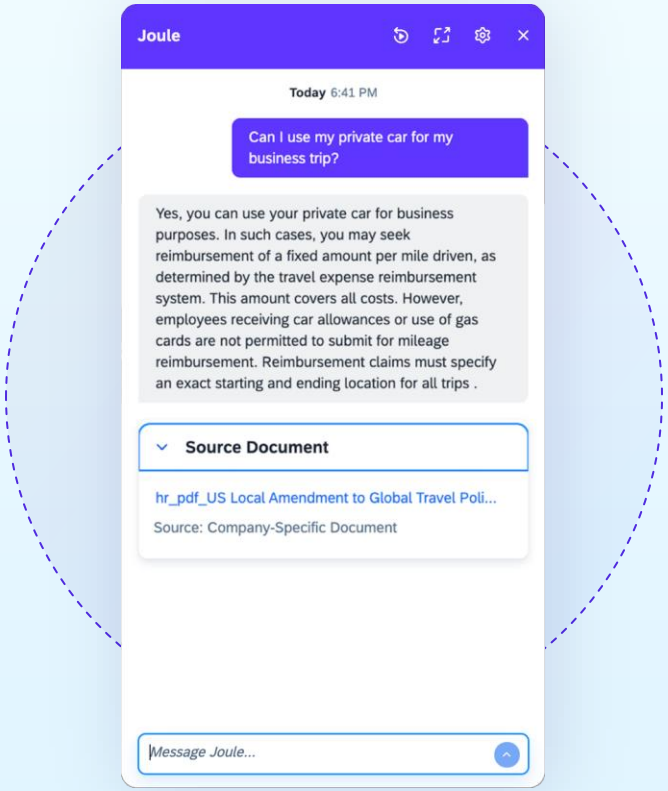
Document Grounding

Fast and reliable insights from your business documents

AI-assisted document grounding enables you to use your **own specific** unstructured or semi-structured documents (such as HR policy documents) to **provide answers to user questions in Joule**.



Grounding combines large language models (LLMs) with advanced information retrieval to enhance response quality and accuracy, without the need for training or fine-tuning with company-specific data.

Saves time spent finding, opening, and reading documents

Conversational Q&A on your unstructured business data

Delivers **grounded answers** in seconds from SAP workflows

Builds trust

Reduces ambiguity

Minimizes hallucinations

In 2025, we plan to introduce user and permission management. This will enable customers to manage document-access of their users.

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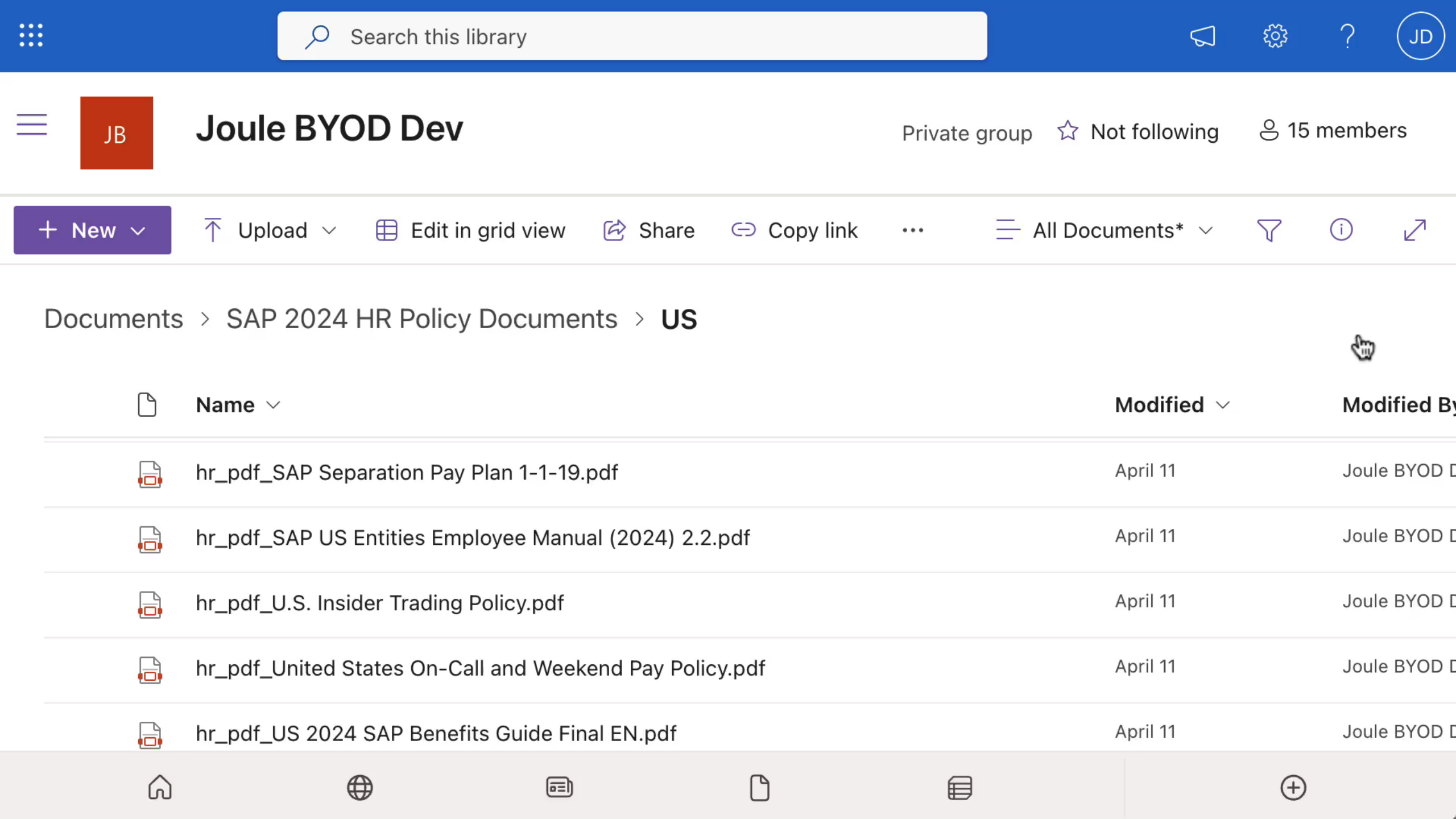
Search this library
JD
JB
Joule BYOD Dev
Private group
Not following
15 members
New
Upload
Edit in grid view
Share
Copy link
All Documents*
Documents
SAP 2024 HR Policy Documents
US
Name
Modified
Modified By
hr_pdf_SAP Separation Pay Plan 1-1-19.pdf
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Joule for mobile

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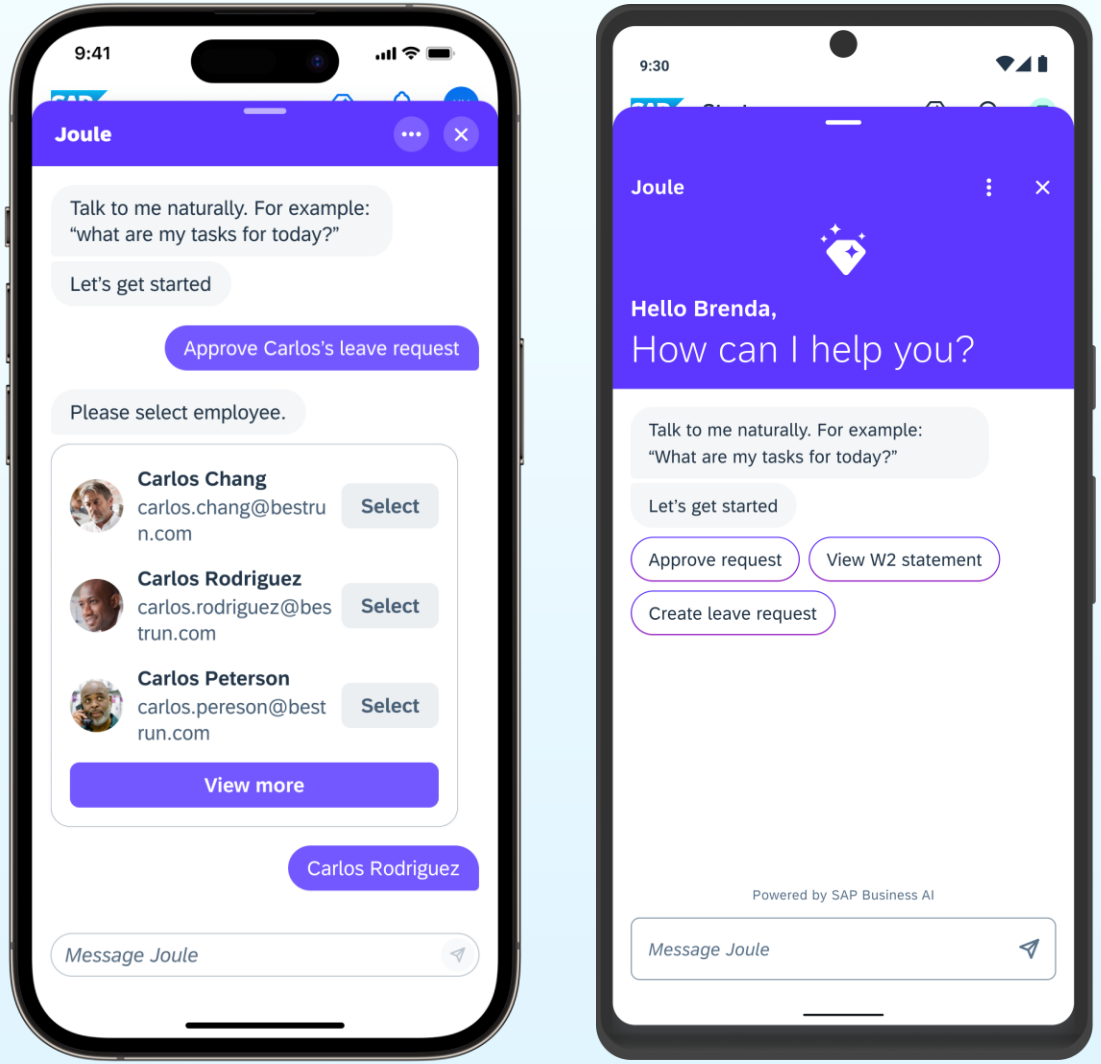

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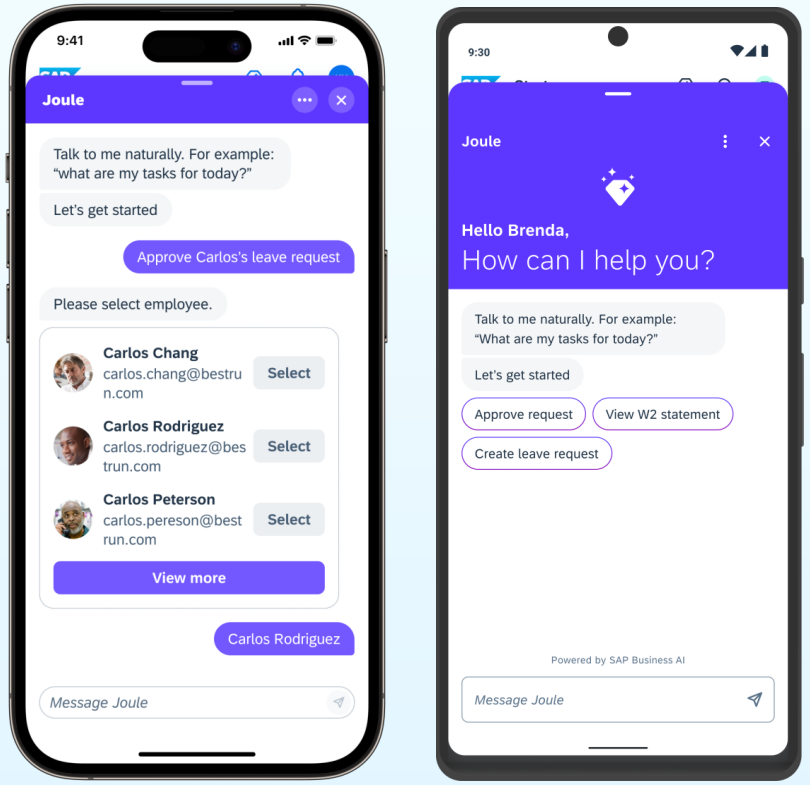
Joule for mobile

available from November 2024



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early 2025

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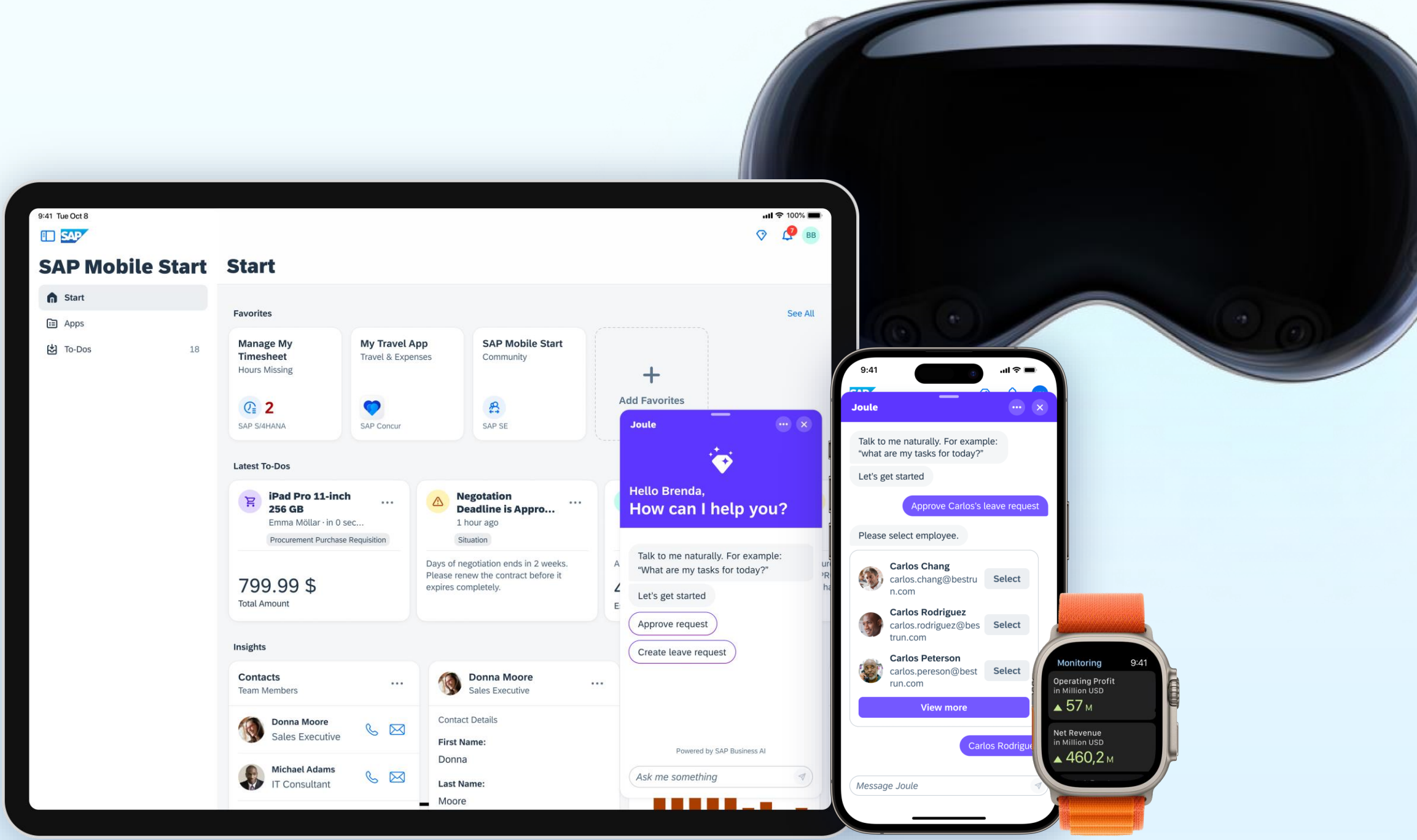

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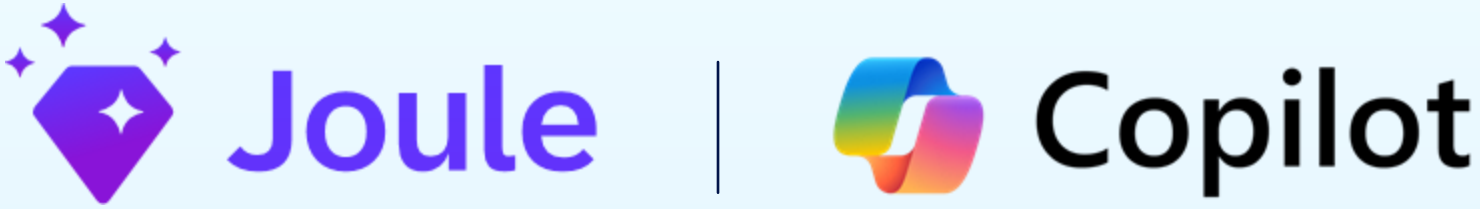

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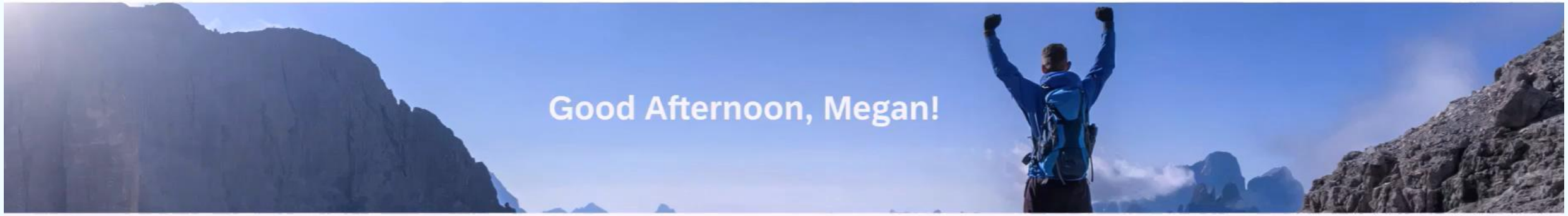

uick Actions

Manage My Data | Request Time Off | Give Feedback | Manage My Team | Delegate My Workflows | Manage Team Positions | View My Growth Portfolio | View Opportunity Marketplace | Manage M

pprovals

Time Account Payout
Initiated for Alison Brookfield
Submitted on June 1, 2024
Time Account: Vacation 2024
Quantity: 2 Days
Total Payout: 850.00 USD
View All (4)

Absence
Initiated for Geoff Hill
Submitted on June 1, 2024
Period: July 1, 2024 - July, 10, 2024
Time Type: Annual Leave
Absence Duration: 7 Days

External Training
Nout Golstein
Submitted on June 1, 2024
Course Title: Building a Better Bu...
Type: External Training
Price: 100.00 USD
View All (2)

Time Recording
Garfield Taylor
Submitted on June 1, 2024
Time Type: Building a Better Bu...
Start Date: External Training
Recorded Time: 10:00 PM - 6:00 AM
View All (6)

or You Today

My Team
Remind a team member to complete pending tasks.
Huan You
6 tasks
View All (4) | Send Email

Goals
Optimize marketing funnel for more marketing-qualified leads...
Performance Goals
1 day overdue
Mark as Complete

Your team has a birthday this month!
James Grant
June 15
Send a Message

Your team has 5 work anniversaries this month!
+3 Jane Cooper and 4 o...
Send a Message

Joule

Hello Megan,

How can I guide you?

Talk to me naturally. For example, "what are my tasks for today?"

Get started with Joule

Update Pronouns | Request Feedback | Give Spot Award | View Worker Profile

Create a MS

Joule is powered by generative AI and all output should be reviewed before use. Please do not enter any sensitive personal data, and avoid entering any other personal data you do not wish to be processed.

Finance

Explore how we embed AI across the process

Plan to Optimize Financials

- Planning, Budgeting and Forecasting
  - Natural language query
- Management Accounting
- Financial Analysis

Record to Report

- Gather financial data
  - Request assistant
- Record data
  - Automated emission factor mapping
- Reconciliate data for accuracy
- Consolidate data
  - Financial business insights
  - Error resolution
- Prepare financial statements
  - Explanation of fixed asset depreciation keys
  - Journal Upload

Treasury & Working Capital Management

- Provide real-time audit and compliance reports
  - Regulatory change manager - Joule
- Combine financial data
  - Financial business insights
  - Error resolution
- Manage accounts and timely payments
  - Hotel receipt itemization
- Reduce financial and reputational risks
  - Behavioral insights for contract accounting
  - Business Integrity Screening for SAP S/4HANA Cloud Private Edition
- Enhance efficiency in using working capital
  - Intelligent invoice error classification
- Manage cash flow to optimize liquidity

Manage Risk & Compliance

- Risk and Opportunity Management
  - Regulatory change manager - Joule
- Control and Compliance
  - Regulatory change manager - Joule
- Data Security and Threat Prevention

Manage Global Tax and International Trade

- Manage customs duties, VAT, & other transactional taxes
  - Configuration for US tax jurisdictions
- Ensure accurate tax data & compliant invoices
- Fulfil various reporting requirements
  - AI-assisted ESG report generation
- Handle direct taxes

Analyze & Improve

- Obtain process insights and action recommendations
  - Process analyzer
  - Performance indicators recommender

Explore our AI solutions – simply click on each of the solutions to learn more

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