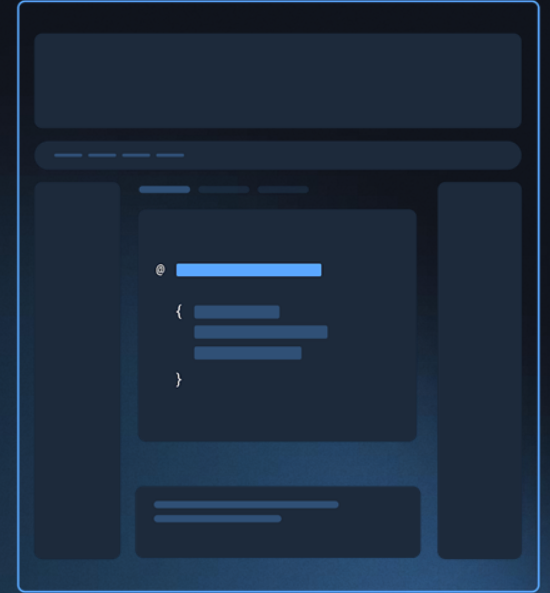


GeneXus Next

Use Cases & Roadmap



Armin Bachmann
Product Manager - GeneXus

Use Cases

What to do? Opportunities

01. AI on every desk

- AI Adoption Services
- Globant Enterprise AI

02. AI on current systems

- Modernization Services
- GeneXus

03. AI on every process

- Agentic Services
- Globant Enterprise AI + GeneXus

***New Use Case: From Anywhere to
GeneXus***

From PL/I to GeneXus
From Cobol to GeneXus
From Java to GeneXus
From to GeneXus

Benefits for Development

Productivity
Modern SDLC
AI in SDLC

Benefit for Systems

Future Proof
AI in Systems

From GeneXus (Old version) to GeneXus Next

Benefits for Development

Productivity
Modern SDLC
AI in SDLC

Benefit for Systems

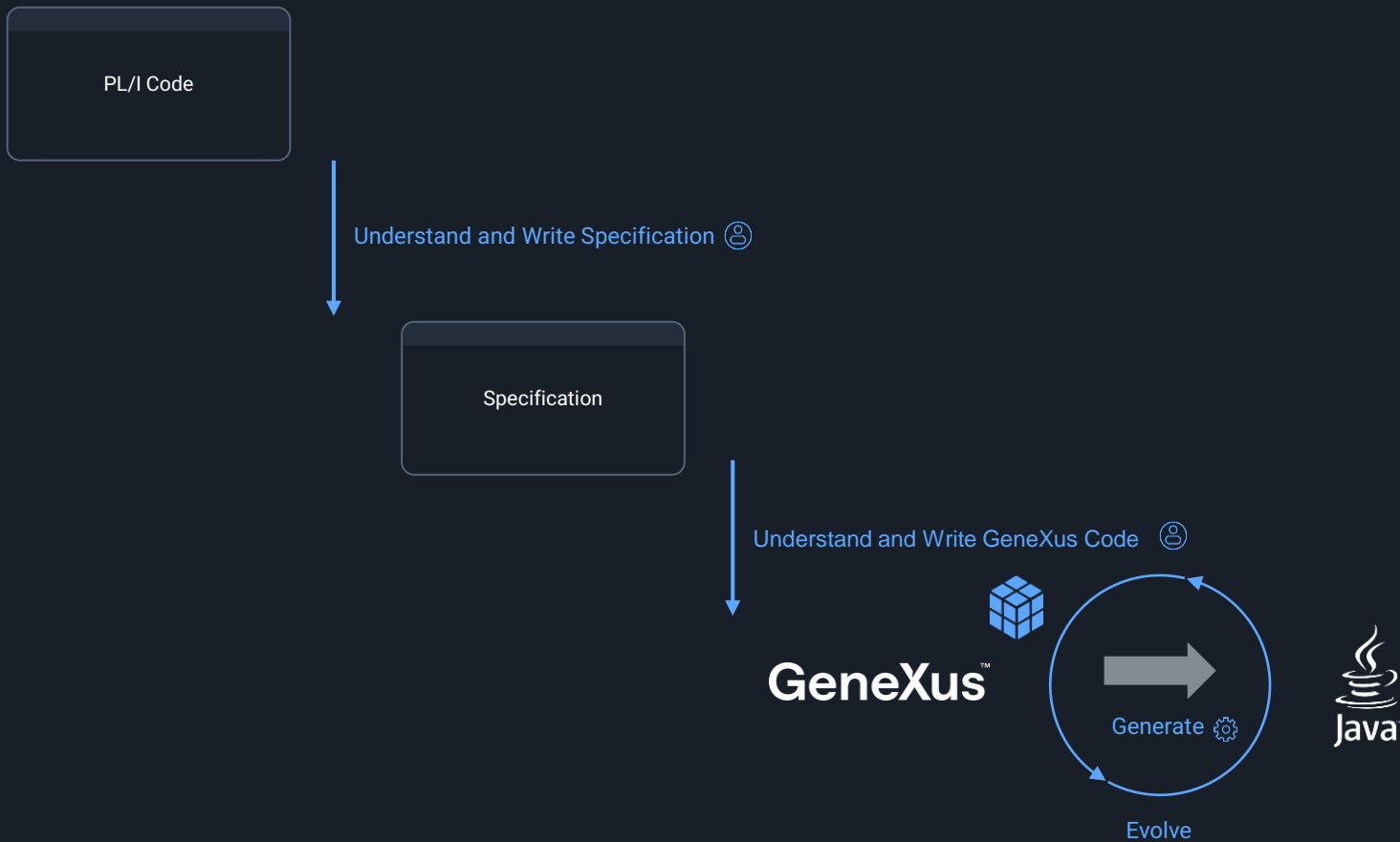
Future Proof
AI in Systems
Take advantage of Security, Scalability,
Observability



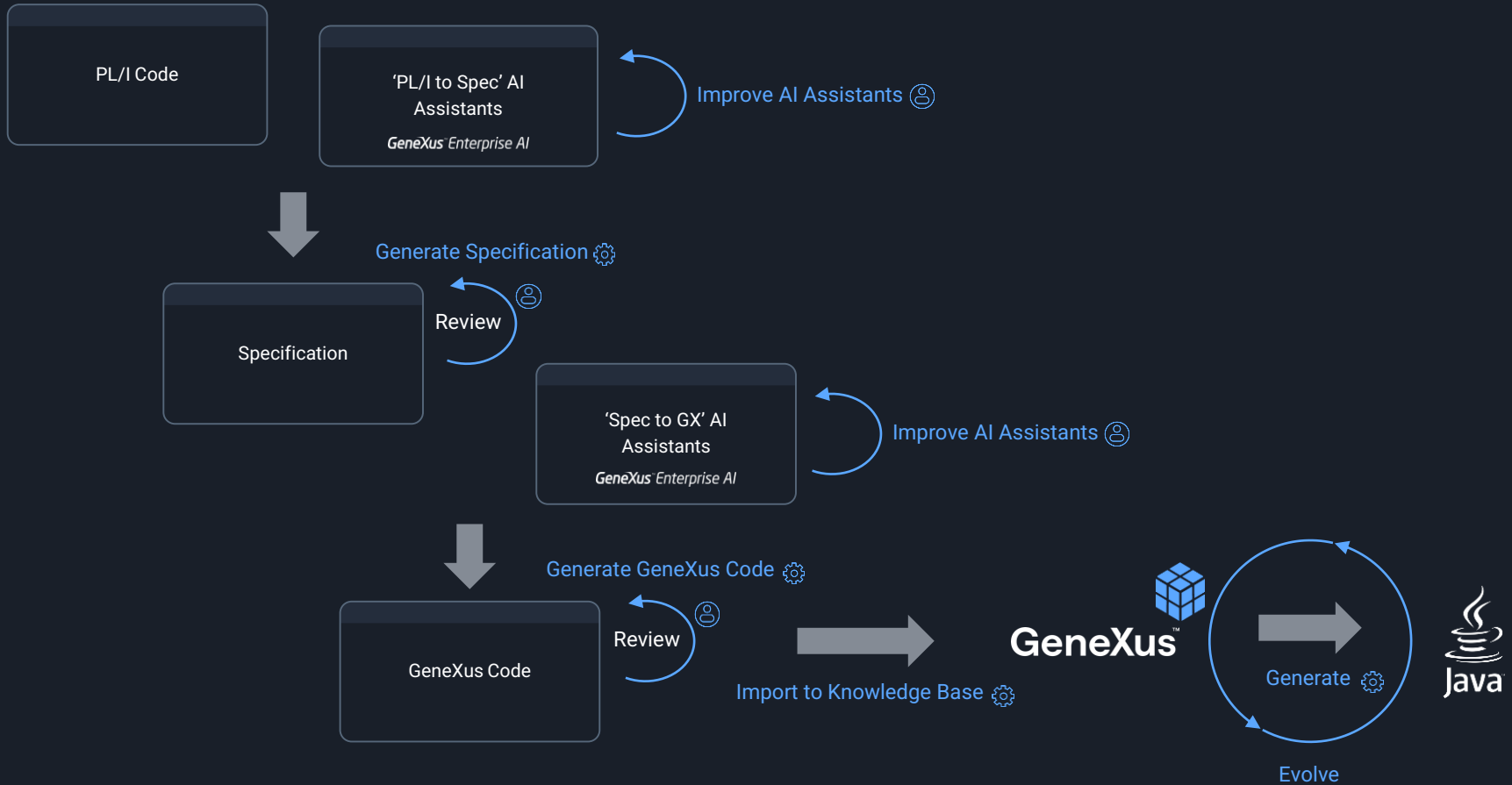
Use Case:

**Legacy Modernization in the AI Era
(From anywhere to GeneXus)**

Manual Process Overview

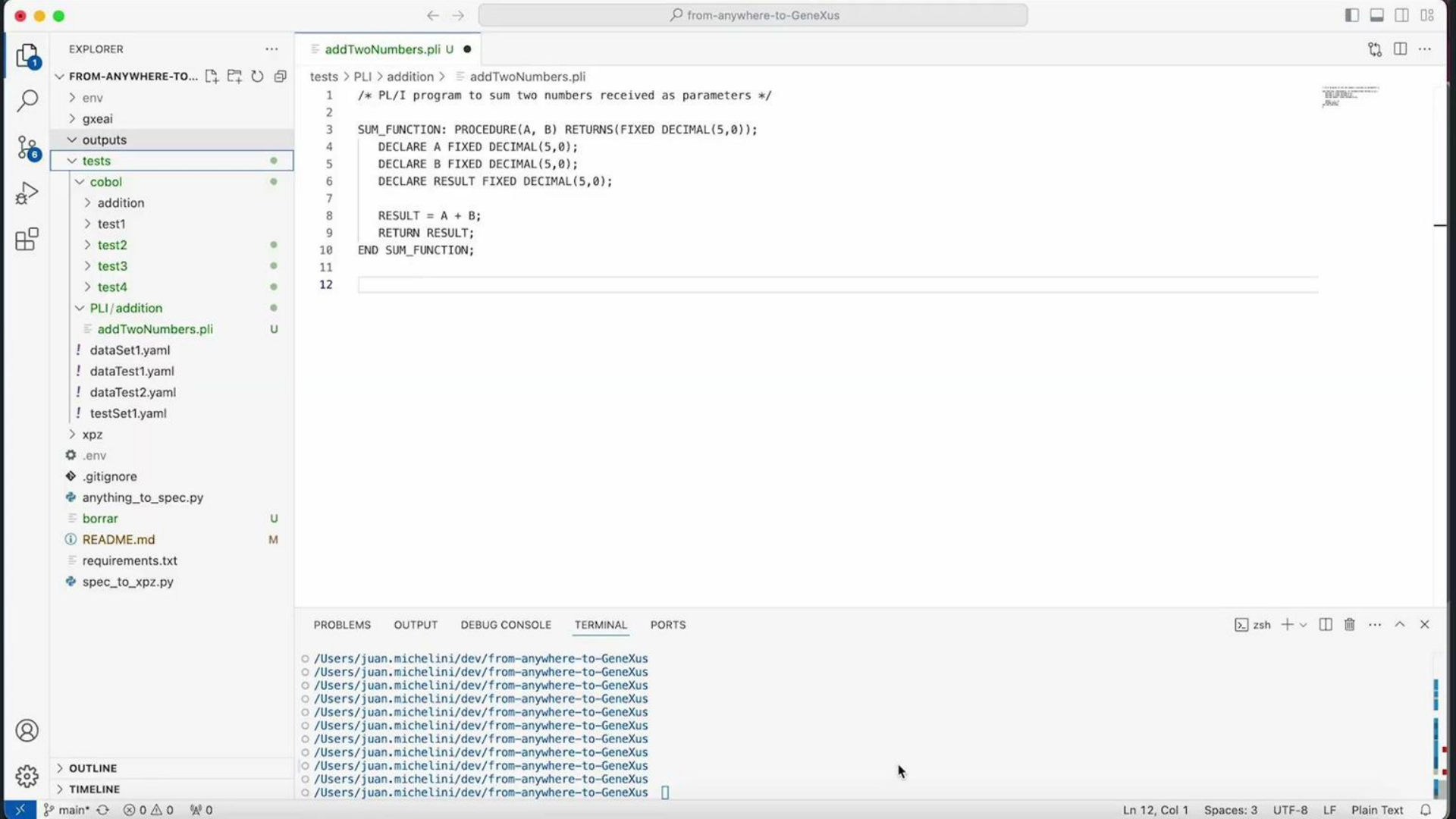


AI-Assisted Process Overview





Demo: From PL/I to GeneXus with AI



EXPLORER

FROM-ANYWHERE-TO...

- env
- gxeai
- outputs
 - tests
 - cobol
 - addition
 - test1
 - test2
 - test3
 - test4
 - PLI/addition
 - addTwoNumbers.pli
 - dataSet1.yaml
 - dataTest1.yaml
 - dataTest2.yaml
 - testSet1.yaml
 - xpz
- .env
- .gitignore
- anything_to_spec.py
- borrar
- README.md
- requirements.txt
- spec_to_xpz.py

OUTLINE

TIMELINE

addTwoNumbers.pli

tests > PLI > addition > addTwoNumbers.pli

```
1  /* PL/I program to sum two numbers received as parameters */
2
3  SUM_FUNCTION: PROCEDURE(A, B) RETURNS(FIXED DECIMAL(5,0));
4      DECLARE A FIXED DECIMAL(5,0);
5      DECLARE B FIXED DECIMAL(5,0);
6      DECLARE RESULT FIXED DECIMAL(5,0);
7
8      RESULT = A + B;
9      RETURN RESULT;
10 END SUM_FUNCTION;
11
12
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

zsh + -

```
/Users/juan.michellini/dev/from-anywhere-to-Genexus
/Users/juan.michellini/dev/from-anywhere-to-Genexus
/Users/juan.michellini/dev/from-anywhere-to-Genexus
/Users/juan.michellini/dev/from-anywhere-to-Genexus
/Users/juan.michellini/dev/from-anywhere-to-Genexus
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/Users/juan.michellini/dev/from-anywhere-to-Genexus
```

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Conclusions

Enterprises shouldn't rely on code alone. They should **rely on knowledge to stay future-proof.**

Generative AI enables **comprehensive legacy modernization.**

Through AI-assisted modernization, a company will **recover business knowledge from code** written many years ago and **preserve it in a Knowledge Base**, ensuring its systems stay **up-to-date** moving forward.



Use Case:

Agentic Processes and Systems

Definition: Agentic Processes and Systems

Agentic processes and agentic systems are systems where autonomous **agents interact, reason, and collaborate** to accomplish tasks.

They are especially useful when problems are complex, dynamic, and benefit from decomposition or distributed intelligence.

Use case in Software Development Life-cycle

Product definition: One agent generates notes from the meeting with the client, another generates epics and another the stories.

Development: Agents migrate, fix, refactor, model, code, document

Design: Agents create flows, wireframes and designs.

Testing: Agents create synthetic data for testing, generate test cases, summarize regression test results

Use case in E-commerce and Product Management

Product enrichment: One agent extracts attributes, another generates descriptions, another categorizes the product.

Pricing optimization: Agents evaluate competitor prices, demand, and inventory to suggest optimal pricing.

User personalization: Agents curate product recommendations, marketing messages, and user journeys dynamically.

Use Case for Knowledge Work and Decision Support

Research synthesis: Agents gather, summarize, and contrast findings from multiple sources.

Meeting assistants: One agent transcribes, another tracks action items, another sends summaries.

Scenario analysis: Agents simulate different strategies in finance, policy, or logistics to assist human decision-making.

Use Case for Enterprise Operations

Contract lifecycle management: Agents draft, negotiate, and monitor contracts.

Expense processing: One agent extracts receipt info, another classifies it, another checks compliance.

HR and onboarding: Agents help hire, train, and support new employees autonomously.

Use Case for Healthcare

Patient triage: Agents collect symptoms, suggest diagnostics, and recommend care pathways.

Clinical documentation: Agents listen to physician-patient conversations, update records, and flag issues.

Drug discovery: Agents explore compound properties, simulate interactions, and propose candidates for trials.

Use Case for Finance and Risk Management

Portfolio management: Agents analyze markets, forecast trends, and rebalance assets based on user profiles.

Fraud detection: Agents track behavior patterns and collaborate to flag suspicious activity in real-time.

Summary of When Agentic Systems Are Useful

Tasks that require multiple competencies (e.g., parsing, planning, executing).

Situations with distributed knowledge or responsibilities.

Workflows that benefit from iteration, negotiation, or goal-directed autonomy.

Contexts where modularity and extensibility are valuable (e.g., plug-and-play agents).

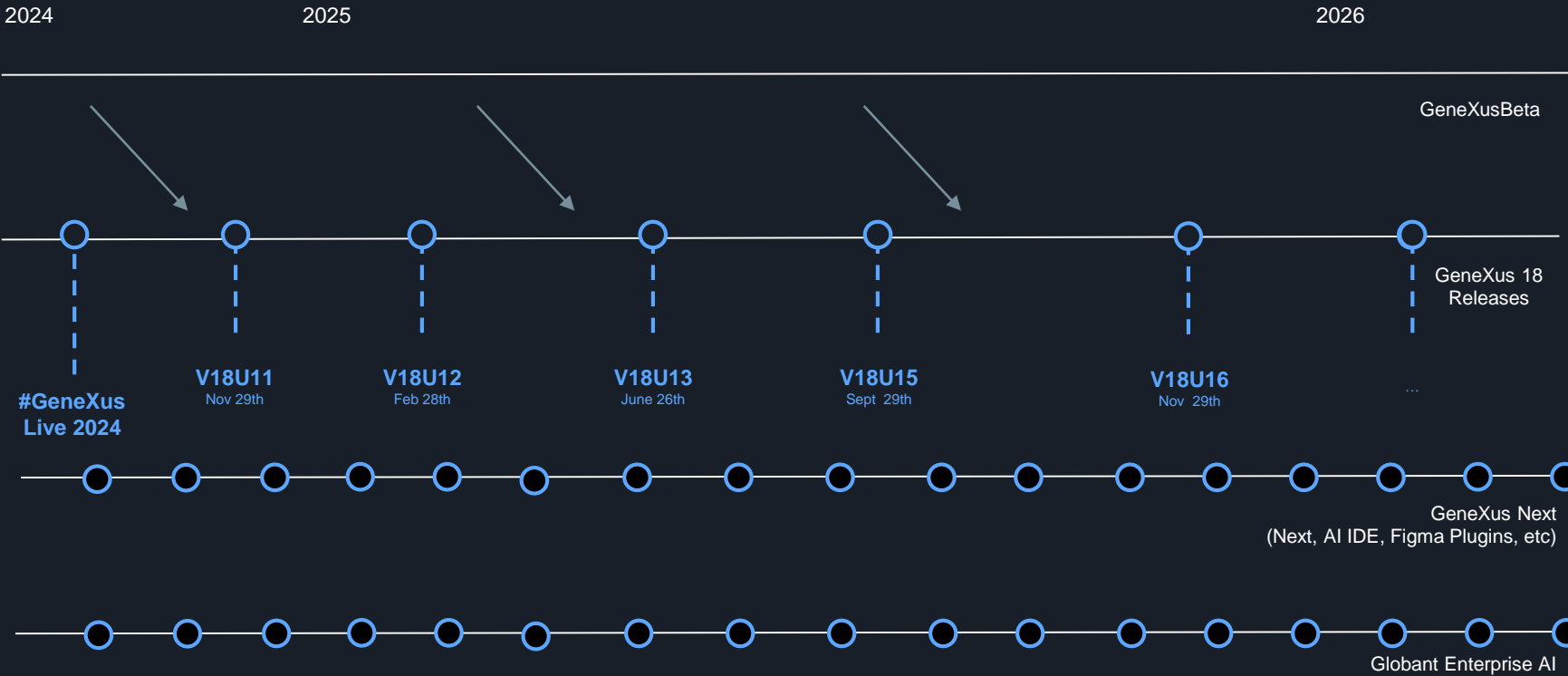


Major Outcome

With GeneXus, where Business Knowledge is at the core, your solutions are **future proof**.

Roadmap

GeneXus Roadmap: Production Lines



GeneXus, a Globant Company.

GeneXus 18 Roadmap: Evolution of Large-scale Corporate Applications

2024

2025

Q4/24-Q1/25

Angular 18
Xcode 16

Q2/25

Android 15
Angular 19

Q3/25

Angular 20
Xcode 17

Q4/25

.NET 10
Java 25

+ Performance

+ Security

+ Scalable in the Cloud

+ Observability & Monitoring

- End of June 2025: Release for
 - Building Agentic Backends (.NET, Java)
 - Support first ongoing projects
- Beta for
 - Customer-facing web and mobile apps (Angular)
 - Native mobile apps, super apps and mini apps (iOS, Android)
 - Agentic Backoffices, Agentic Workflows (.NET, Java, Angular, iOS, Android, GXflow)
- With Platform partner extensions & patterns included (Beta)

- Q3

- Release for
 - Customer-facing web and mobile apps (Angular)
 - Native mobile apps, super apps and mini apps (iOS, Android)
 - Agentic Backoffices, Agentic Workflows (.NET, Java, Angular, iOS, Android)
- With Platform partner extensions & patterns included
- GeneXus as an MCP server
- Support first ongoing projects

- Q4

- GX#31
- Completeness compared to GeneXus 18
- Support for first ongoing projects

Get free GeneXus Next and Globant Enterprise AI access!

Beta ready to Download

Visit our Wiki to learn more:



How to: Install and run GeneXus
Next Desktop



Sample: Building Agentic
Applications with GeneXus Next

Thank you!

Armin Bachmann
Product Manager - GeneXus

GeneXus™