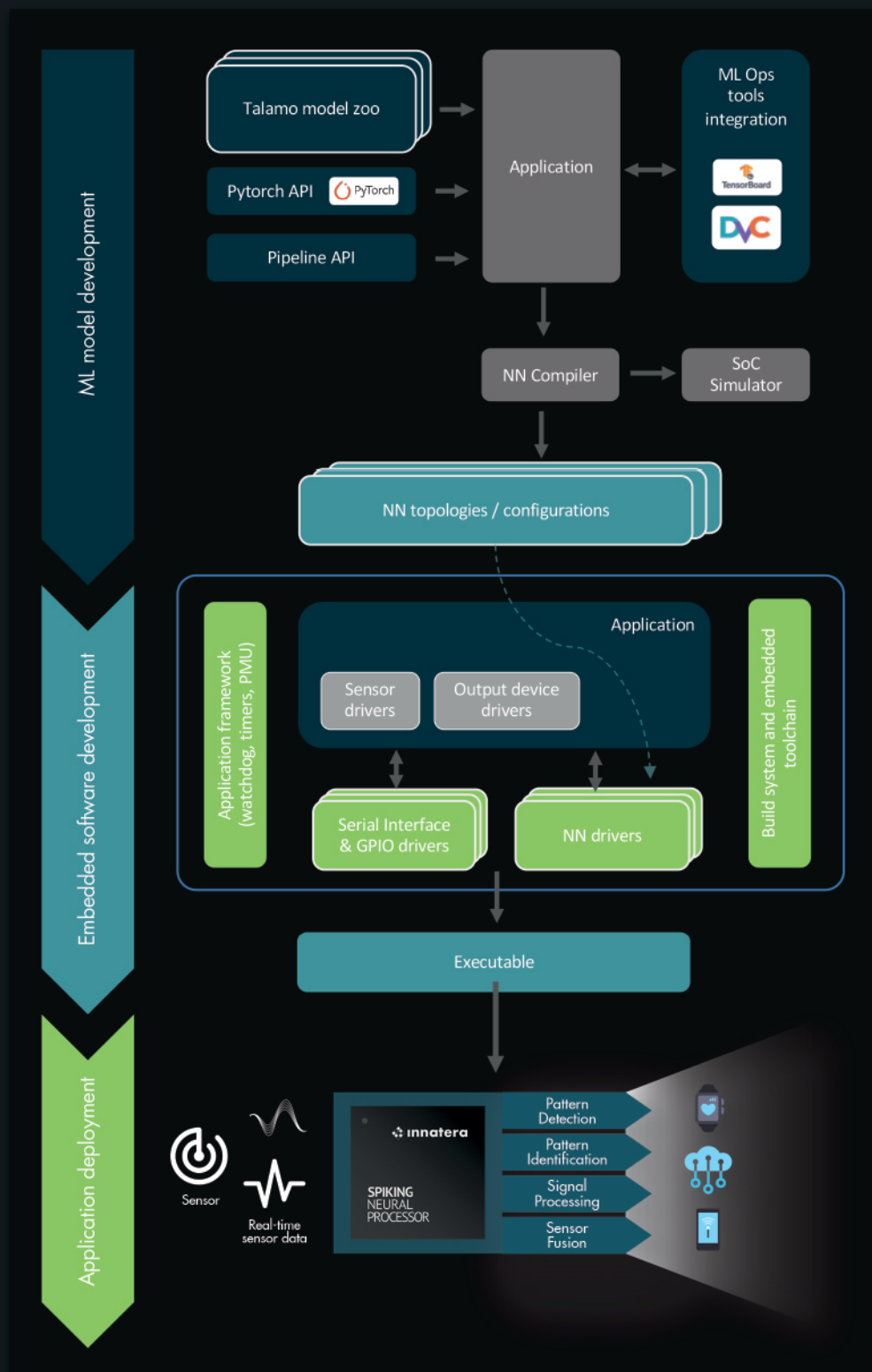# TALAMO

SPIKING NEURAL PROCESSOR

innatera

Innatera's powerful software tooling allows for a seamless user experience from model development to deployment. The tools integrate with familiar machine learning and embedded development ecosystems allowing rapid prototyping, customization, debugging and deployment onto hardware.

ML model development

- Talamo model zoo
- Pytorch API — PyTorch
- Pipeline API

→ Application ↔ ML Ops tools integration (TensorBoard, DVC)

Application → NN Compiler → SoC Simulator

NN Compiler → NN topologies / configurations

Embedded software development

Application framework (watchdog, timers, PMU)

Application
- Sensor drivers
- Output device drivers
- Serial Interface & GPIO drivers
- NN drivers

Build system and embedded toolchain

→ Executable

Application deployment

Sensor — Real-time sensor data → SPIKING NEURAL PROCESSOR (innatera) →
- Pattern Detection
- Pattern Identification
- Signal Processing
- Sensor Fusion

Key Features

Standard deep-learning workflow. Integrate your existing functions and networks

No SNN expertise required to start building applications. Plug and play models provided

Build signal chains with branching, FFTs, and custom functions

Allow ML developers to get quick profile estimate of their application

REACH OUT TO US
FOR MORE INFORMATION

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