

From device data to a working product.

Firmware, cloud backends and applications, built by the same four founding engineers.

COMPANY BRIEF / FORTALEZA, BRAZIL / UTC-3

Devitin helps product teams connect devices to useful software and supports agencies with a defined engineering workstream. Founded in 2024, our team brings together two computer engineers and two computer scientists trained at UFC and UNICAMP.

Where we can help

Connected products. Embedded C, STM32 and ESP32, electronic design, device protocols, embedded Linux and integration with cloud services.

Backends and applications. APIs and integrations in Go, Python and Node.js; PostgreSQL; React and Next.js; Flutter, Swift and Python/Qt interfaces.

Applied AI and data. Computer vision, OCR and retrieval over a defined knowledge base. Model choice, evaluation and data flows are part of the scope.

3D printing and modeling. Digital models and physical prototypes, including parts, mounts and device enclosures. We prepare existing models for printing and agree on materials, dimensions, finish and delivery during scoping.

Relevant work

DEVITIN CLIENT PROJECT

Wearable athlete monitoring. A React web platform, Flutter mobile application and backend integrated with the receiver device's firmware. The scope includes architecture, APIs, integration testing and research into AI for field data. The August 2026 portfolio describes the project as in progress. Client and proprietary implementation details are confidential.

FOUNDER PROJECTS / PUBLIC CODE

Bufete. Reaction-time training platform connecting STM32 firmware, sensors, a custom serial protocol and a Python/Qt desktop application. [Inspect the repository.](#)

SolveTrace. An algorithmic problem analyzer with FastAPI, Next.js, retrieval and local or cloud model options. [Inspect the repository.](#)

NetPulse. A Rust network monitoring tool with latency, jitter, loss analysis and Prometheus metrics. [Inspect the repository.](#)

Founder projects demonstrate individual experience and are distinct from Devitin client contracts.

A clear scope. A direct relationship.

Work with the founders who scope and develop your solution.

Three ways to start

01 / Technical discovery

A paid engagement to map requirements, architecture, interfaces and technical risks. Deliverables: a prioritized implementation plan and delivery estimate.

02 / Scoped product build

A defined integration, backend or application delivered against agreed acceptance criteria. Deliverables include the contracted software, tests, source code and handover documentation.

03 / Engineering partnership

A defined workstream alongside an agency or product team. Responsibilities, client communication, team allocation and handover are agreed before work begins.

Working internationally

Fortaleza uses UTC-3 year-round. We agree on meeting windows, project language, review checkpoints and repository access during scoping. For physical devices, we also define test equipment, shipping and bench access.

Contracts specify scope, fees, currency, timing, acceptance, intellectual property and support. Detailed discovery and implementation are separate engagements; capacity and start dates are confirmed in the proposal.

Meet the founders

Cirilo Max Macedo de Moraes Filho

Computer Science, UNICAMP | Backend and distributed systems

Rafael Capelo Domingues

Computer Engineering, UFC | Embedded systems and applied AI

Victor Viana Paiva

Computer Engineering, UFC | Hardware, firmware and applications

Igor Brito Andrade

Computer Science, UNICAMP | Infrastructure and reliability

Tell us what you are building

Share your product, the integration or feature needed, target date and budget range.

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