

01 Summary

After supporting system modernization and project delivery as an IT consultant, I co-founded MARS AI, a company building AI-powered interior design services. I have experience taking a business problem from definition, through agreeing on how it will be run with stakeholders, to building the mechanism and making it stick.

From October 2019 to October 2025 I worked at Deloitte Tohmatsu Consulting. On a system development project involving several companies and more than 100 people, I handled PMO work covering progress, issues and risks. In particular, I led the move of management information that had been scattered across email into Redmine — designing what to track and how to run it, coordinating with each company, migrating data and briefing users. I also developed a way to read progress and issue trends from the accumulated data, and an Excel/VBA tool that produced the weekly report automatically. Both were rolled out to other development projects, and I supported the client until they could run them on their own.

Since January 2026 I have been co-founder and CTO of MARS AI, developing and operating an interior consultation service for consumers and a 3D space-design service for professionals. I turn the product plans led by our CEO into screen and system designs, and use generative AI to carry them through implementation, release, maintenance and usage-driven improvement.

02 Work History

Jan 2026 – Present	MARS AI Inc. Co-founder & CTO
Oct 2019 – Oct 2025	Deloitte Tohmatsu Consulting LLC Last title: Senior Consultant

03 Skills & Experience

Business & IT planning	Comparing and unifying business processes, IT environment assessments, system selection, modernization planning
Project delivery	Progress, issue and risk management on large development projects (PMO); program-level delivery reviews from the client side (PgMO); coordination and consensus-building across multiple companies
Management systems & analysis	Designing tracked items, workflows, permissions and operating rules; standardizing management methods, rolling them out to other projects and handing them over. Designing and analyzing metrics for plan vs. actual and issue/risk trends
Automation & team lead	Automating data aggregation, chart updates and report generation with Excel/VBA. Assigning work to and reviewing deliverables from up to four team members
Web & AI development	TypeScript, React, Next.js; authentication, data management and external AI API integration. Developing and verifying with generative AI; maintaining and improving services after launch
3D development	3D applications with Unity and C#. Connecting web applications with 3D processing written in C# and WebAssembly

04 Professional Experience

MARS AI Inc. (Korea)

Jan 2026 – Present | Co-founder & CTO

I co-founded this company, which builds AI-powered interior design services, with our CEO, an interior design professional. The CEO leads product planning; I handle development end to end — screen and system design, front-end and back-end implementation, releases, maintenance and fixing issues. I use generative AI throughout and verify the results as I build.

INBOT — interior consultation service for consumers

Launched June 2026 **Role** Design, development, release & operations

A consultation service where people can look up interior information and create finished-look images through a conversation with AI. I implemented features such as image generation and editing, construction estimate review and defect diagnosis. Since launch I have been reviewing conversations and usage to improve answer quality and usability.

INBOT Studio — 3D space-design service for professionals

Launched June 2026 **Role** Design, development, release & operations

A service where interior professionals create 3D spaces from floor plans, render finished-look images, edit images and manage their work. I designed and built the screens and interactions, and connected the in-browser 3D processing with the web app that manages users' work.

Technologies	TypeScript, React, Next.js, Supabase / PostgreSQL, Cloudflare R2. OpenAI and Gemini APIs for INBOT; C# / .NET, WebAssembly, Web Worker and Babylon.js for Studio's 3D processing
Industry-academia	Selected for an industry-academia collaboration program with Induk University. Activities are scheduled to start in mid-October 2026; research and development has not yet begun.

Deloitte Tohmatsu Consulting LLC

Oct 2019 – Oct 2025 | Last title: Senior Consultant

IT assessment and modernization plan for a global apparel company

Period Sep 2024 – Jan 2025 **Role** IT team lead **Size** About 10 people including client and consulting team

Background & responsibilities

Many of the company's business systems and IT devices had reached or were nearing end of support. With no dedicated IT department — general affairs staff and outside vendors handled maintenance — even adding features or fixing defects took a long time.

On an engagement led by the apparel industry team, I worked with an advisor as the lead for the IT area. Through interviews with the client and vendors, surveys and document reviews, I assessed the systems and operating structure using weighted evaluation criteria based on IPA (Information-technology Promotion Agency, Japan) guidance.

Findings & scope

I proposed adopting SaaS to keep the maintenance burden low and establishing an in-house function to manage IT on an ongoing basis. After comparing SAP, Oracle and others, SAP was selected as the final candidate. I compiled an improvement plan covering setting up and developing an IT department and handing over operating rules and knowledge. I did not work on the subsequent system implementation or IT department launch, as I went on leave.

Improving and standardizing project management at a major infrastructure company

Period Jun 2021 – Aug 2024 **Role** PMO; lead of the team for management processes and status analysis

Size 100+ people across multiple vendors; managed up to 4 members

Background & designing the management approach

Documents in Excel, Word and PowerPoint were shared by email, so it was hard to tell which version was current or to find the information needed. To manage issues, inquiries and change requests — and their status — in one place, I led the introduction of Redmine.

I designed the tracked items, handling and approval flows, and view/edit permissions, and agreed operating rules with each company's PMO. Drawing on PMBOK, I shaped the management approach and handled bulk data migration, manuals, user briefings and post-launch follow-up.

What changed & data analysis

Every company could use Redmine as the reference for the latest information, and issues or delays that used to stay inside individual work groups became visible. Project leaders and executives could check the status without waiting for reports to be compiled.

Using the accumulated data, I aggregated each group's planned vs. actual responses, the number of new issues and risks, and days to resolution — alongside difficulty and priority — and charted the weekly changes. I assigned analysis and draft preparation to two members, reviewed and followed up on their work, and finalized the reports. These became the main reporting material for the weekly PMO meeting and overall progress meetings.

Automation & rollout to other projects

I developed and delivered an Excel/VBA tool that took data exported from Redmine and automatically formatted and aggregated it, updated charts and produced the report. I then generalized the project-specific approach for IT development in general and established it as one of the client's project management standards; the standard and tool were used on other projects. As Redmine administrator for the whole client organization, I supported the client and handed over operations until they could run it themselves.

Joint development of smart-meter systems for three gas companies

Period Mar 2021 – Jun 2021 **Role** PMO member **Size** 100+ people across multiple vendors

I joined the joint development of a system that remotely measures gas usage with smart meters and transmits the data. Toward a system shared by the three companies, I compared each company's business processes and created a common flow. Because timing and sequence differed between companies, I organized the steps that would need to change and the points to negotiate, reflected each company's input, and supported the step-by-step agreement of business flows and requirements in regular meetings. I moved to another engagement while process unification and requirement discussions were still under way.

Delivery reviews for a major infrastructure company's system renewal

Period Jan 2020 – Feb 2021 **Role** Member of the client-side program management office (PgMO)

Size 100+ people across multiple vendors

Role & review approach

As part of the headquarters-side management organization, I reviewed how the subsidiary and vendors running development were managing delivery, from a third-party standpoint. Unlike the development-side PMO, the role was to check whether meetings and management mechanisms were actually working and to push for improvement. I created evaluation criteria and checklists, sat in on key meetings, interviewed work-group leads, organized issues and improvement proposals on progress and risk management, and asked each lead to act on them. I also reported the results to the PgMO head, a headquarters executive.

Confirmed results

Work groups with progress and risk issues revised how they were run based on the recommendations, and a re-review about three months later confirmed improvement on several items.

05 Selected Products

INBOT Studio

Launched 2026.06

A tool for professionals that turns floor plans into 3D spaces for planning furniture and materials and rendering.

C# / .NET · WebAssembly · Babylon.js · Next.js

INBOT

Launched 2026.06

An AI service for discussing interior images, construction costs and home defects, starting from photos or estimates.

Next.js · TypeScript · Supabase · OpenAI / Gemini API

racu

Released 2026.01

A work and project management web app for small and mid-sized companies, with Gantt charts, list and board views, and reports built on the analysis methods I used as a consultant. Planned by a business partner in Japan; I handled design through operations.

Next.js · TypeScript · GraphQL · Hasura · PostgreSQL

Wall Of Remembrance

Released 2025.08

A guide app for a memorial hall: search a name to see where it appears on the wall in 3D. Built before MARS AI; I handled design through delivery and operations.

Unity · C# · Cloudflare Workers / R2

06 Education & Languages

Education

Korea University, Department of Japanese Language and Literature — graduated February 2019

Languages

Japanese: business level / JLPT N1
English: business level / TOEIC 960
Korean: native

07 About Me

My strength is looking at both the business and the system, and turning improvements into something that actually runs. As a consultant, I agreed with stakeholders on how work should be done and supported everything from introducing the mechanism to briefing users and handing it over.

Since founding the company, I have been turning my business partner's plans into screens and systems, and handling everything from development to maintenance and improvement after launch. I want to combine consensus-building with stakeholders and hands-on building and operating to create systems that people keep using.

08 What I'm Looking For

I am open to a broad range of roles — IT/DX consulting, IT planning and DX at operating companies, and product development leadership. I am looking for opportunities to use my experience from defining business problems through implementation and post-launch improvement.

To be able to prioritize my new employer's work, I plan to reduce my scope or change my role at MARS AI. After confirming whether side work is permitted and the working conditions, I will agree the handover and operating structure with my co-founder before joining and decide the scope and timing of my involvement.