

# Track Record

---

**Takuya Sato — Pearl Memorial / Soul Carrier**

---

## Introduction

---

Soul Carrier is an extension of my career.

For over 20 years, I've worked at the intersection of technology and business. Large corporations, startups, global consulting firms. On paper, I looked "successful."

But I learned that what matters most isn't technology—it's seeing the person in front of you.

If you're facing challenges in life or business, let's talk first. If I can help, I'll work on a results-based fee.

---

## Publications (81 Technical Books)

---

Between January and May 2025, I wrote and published 81 technical books on the Zenn platform.

# AI & Machine Learning

| Title  |
|--|
| OpenAI Responses API Practical Guide   |
| Apple MLX & Python: Next-Gen ML Environment                                    |
| Progressive AI Agent Development: LlamaIndex, BabyAGI & Evaluation             |
| Stable Diffusion Practical Guide: Prompt Engineering, Customization & Business |
| AI Platform (SaaS) Rapid Development: Build Scalable AI Services in One Day    |
| AI × Diagram Revolution: Claude 3.7 + draw.io API                              |
| LINE WORKS × Claude 3.7: AI-Powered Business Chat                              |
| Python Pillow & Claude 3.7: Advanced Image Analysis                            |
| AI Agent Practical Guide 2025: Autonomous Business Evolution                   |
| AI Composition Guide: Path to MIDI Maestro                                     |
| Image Captioning Revolution: Cutting-Edge Technology for Business              |
| AI Pixel Art Revival: Generative AI for Retro Game Characters                  |
| Autonomous Threat Hunter: Fighting Cyber Attacks with AI                       |
| LoRA Revolution: Satellite Image Generation for Business                       |
| AI Video: Escape Content Hell with Time-Saving Techniques                      |

## Blockchain & Web3

| Title   |
|---|
| Practical Solidity Smart Contract Development               |
| Web3 Development 2025: Architecture, Security & Scalability |
| STO Development Guide: Foundry & Solidity                   |
| Immutable X: Scalable NFT Platform Development              |
| Hyperledger Fabric: Enterprise Blockchain Development       |
| Practical Fintech Development                               |
| Digital Nation Strategy 2.0: Web3 Financial Infrastructure  |

## Infrastructure & DevOps

| Title  |
|--|
| AWS Lambda Notification System: Design to Operations       |
| Cloud Monitoring: Datadog, OpenCost & Automation           |
| Site Reliability Engineering (SRE): Stable Operations      |
| Home Lab Evolution: Self-Hosted Infrastructure Engineering |
| Elasticsearch Enterprise Search Guide                      |
| GitHub Actions: PyInstaller & DMGbuild for macOS           |
| ServiceNow Customization & Troubleshooting                 |
| Salesforce Development Bible                               |

## Frontend & App Development

| Title  |
|--|
| VS Code Environment Setup: Team Development Optimization |
| Webpack Practical Introduction                           |
| Practical Three.js: Web Creative Mastery                 |
| Three.js Guide: Interactive 3D Worlds with WebGL         |
| Sitecore XM Cloud: Next.js & SXA Modern Websites         |
| Hono & Stream Deck: Modern Development Workflow          |
| Kids Map Learning App: React Native & Map Data           |
| Functional Programming for Frontend: Elm for Robust UI   |
| OpenAI Platform Development: API to Service              |

## Mac & iOS Automation

| Title   |
|---|
| Hammerspoon & Claude: Mac Automation Acceleration   |
| Hammerspoon & AppleScript: macOS Automation Recipes |
| Apple Silicon Development Environment               |
| iOS Automation: Scriptable Recipe Collection        |

## IoT & Hardware

| Title   |
|---|
| ESP32 IoT Development: Environment to Business        |
| IoT Implementation Bible: Sensor Networks & Solutions |
| Arduino × Generative AI: Prototyping Guide            |
| Dashcam Video Analysis with AI                        |

## Business & Strategy

| Title  |
|--|
| Weekend Startup: Micro-SaaS for SMBs                           |
| Engineers Conquering Markets: Tech Strategy & Business         |
| Tech-Driven Business Success: Strategic Thinking for Engineers |
| Business Strategy Through Code: Data-Driven Management         |
| Engineering-Led Business Transformation                        |
| Beyond Subcontractor Mindset: Engineer-Led Business Models     |
| Growth Hacking for Developers: Data-Driven Marketing           |
| Bridging Dev & Management: Tech Translator Training            |
| Innovation Through Development: Code Changes Organizations     |
| Financial RPA: Automation, Implementation & Risk               |

Other Specializations

| Title   |
|---|
| Legacy COBOL Modernization: Cloud Migration & Agile         |
| Next-Gen Technology Stack: Scalable & Intelligent Apps      |
| Application Performance Optimization                        |
| API Integration Handbook 2025                               |
| Trading Strategies: TradingView, Data Analysis & Automation |
| Programming Paradigm Shift: Legacy to Modern                |
| Speech Recognition: Whisper & Real-Time Processing          |
| AnkiConnect × Python: Flashcard Automation                  |
| Text Processing Expert: sed, AI & Prompt Engineering        |
| Voice Analysis Automation with Praat                        |
| Python Turtle for Real Applications                         |
| Scratch Evolution: Games, AI & Future                       |
| Quantum Computing: Practical Algorithms & Cloud             |
| Digital Twin: Real & Virtual Business Innovation            |
| Smart Space Design: Physical & Digital Fusion               |
| Implementing the Future: Computing Paradigm Shift 2025      |
| Scalable MMO Development: Node.js & WebSocket               |
| Business English Training                                   |
| Eleven Labs: AI English Teacher with Your Voice             |
| English Learning Strategy: TOEIC/TOEFL/IELTS Meta-Learning  |
| Data Analytics Skill Revolution                             |
| Application Security Testing Complete Guide                 |
| Honbinos Memorial: Life Recording Technology Guide          |

# Open Source & GitHub (170+ Repositories)

Hands-on repositories that demonstrate the concepts from my technical books, plus 170+ projects publicly available.

GitHub: [github.com/timeless-residents](https://github.com/timeless-residents)

## Repositories by Category

| Category          | Key Repositories   |
|-------------------|--|
| AI & ML           | handson-openai-responses-api, handson-claude-3.7-sonnet, handson-langchain, handson-diffusers, handson-apple-mlx, handson-deepseek-r1, handson-ollama-mistral, handson-gemini-aistudio, handson-elevenlabs-affirmation |
| Blockchain        | handson-solidity-hardhat, handson-hyperledger-fabric, handson-immutable-x, handson-sto-foundry   |
| Frontend          | handson-threejs, handson-vite, handson-nuxtjs, handson-chakraui-react, handson-svelte, handson-tailwind-css, handson-webgl, handson-storybook  |
| Backend           | handson-rails8, handson-django-render, handson-laravel, handson-nestjs-swaggerui, handson-spring-framework-render  |
| Cloud & DevOps    | handson-terraform, handson-opencost-kubernetes, handson-datadoq, handson-firebase, handson-docker-render, handson-gitlab   |
| Database & Search | handson-elastic-enterprise-search, handson-weaviate-v4, handson-pinecone, handson-python-postgresql, handson-python-sqlite3  |
| API Integration   | handson-drawio-api, handson-figma-api, handson-stripe, handson-mailchimp-api, handson-line-works, handson-box-api, handson-canva-app   |
| Languages         | handson-go, handson-rust-json, handson-kotlin, handson-haskell, handson-scala, handson-julia, handson-nim, handson-cobol   |
| Game Dev          | handson-game-othello, handson-game-ideation-250305, handson-unity-2d, handson-c-raylib   |
| Audio & Media     | handson-web-audio, handson-pyaudio, handson-dictation-realtime, handson-stable-audio-one   |
| Pearl Memorial    | pearlmemorial, pearl-memorial, voice-memorial-qr, honbinos-memorial  |
| Community         | HonoluaFarm, OHANA-Association   |

# Career Summary

27 years in technology (since age 15), creating value by crossing boundaries.

| Item          | Details   |
|---------------|---|
| Birth Year    | 1983  |
| Education     | Tokyo National College of Technology, Mechanical Engineering (2004) |
| Management    | 200+ people   |
| Tech Training | 4,000+ people   |
| English       | Business level (TOEIC 720)  |

# Work History

## Deloitte Tohmatsu Consulting (2019–2025)

### FSI G&I Senior Specialist Lead

DX strategy for global mega-banks and financial ecosystems.

### Key Projects:

| Area                 | Achievements  |
|----------------------|---|
| Financial Innovation | Customer experience with data analytics & AI, digital banking platforms, open banking infrastructure                  |
| Public Sector DX     | National digital government strategy, smart city OS design, citizen participation platforms, municipal data analytics |
| Digital Twin         | Bridge maintenance, LiDAR urban modeling, flood prediction & disaster prevention                                      |
| Energy               | AI power demand optimization, multi-store energy cost reduction   |
| Healthcare           | IoT × cloud medical device management, disaster response  |
| Human Capital        | Global corporate digital training, organizational survey platforms  |

## Willgate Inc. (2007–2019)

### Board Director & CTO



Led company from near-bankruptcy to **50x growth**. Built dev organization from scratch to 200 engineers.

| Role                   | Details  |
|------------------------|--|
| Business Restructuring | Dev investment strategy, domestic & international partnerships |
| Org Building           | In-house development, hiring & training                        |
| Methodology            | Waterfall → Agile Scrum, company-wide agile adoption           |
| Tech Stack             | LAMP, Rails, Scala, AWS, On-premise                            |

## Fujitsu Limited (2004–2007)

### Social Science Laboratory SE/PM

| Project                           | Details                           |
|-----------------------------------|-----------------------------------|
| Global Logistics                  | Enhancement & quality improvement |
| Ministry of Justice E-Application | New development                   |
| Internal Dev Platform             | Company-wide standardization      |

## Other Activities

- Management & technical advisor for multiple companies (hands-on)
  - Vietnam CEO experience
  - **World Blockchain Forum Asia Singapore 2019** Top 10 Project Leader (Trophy winner)
-

# Expertise

| Category                      | Experience |
|-------------------------------|------------|
| System Development (Web/Open) | 10+ years  |
| Project Manager               | 10+ years  |
| CIO/CTO                       | 10+ years  |
| Data Analyst/Scientist        | 10+ years  |
| IT Consultant                 | 3+ years   |
| Business/Strategy Consultant  | 5+ years   |
| CEO/COO                       | 3+ years   |

# Technology Stack

## Languages & Frameworks

| Category        | Technologies                         |
|-----------------|--------------------------------------|
| Backend         | Python, Node.js, Go, Rust            |
| Frontend        | React, Next.js, Vue, Three.js        |
| Mobile          | React Native, Swift                  |
| Smart Contracts | Solidity, Foundry                    |
| Automation      | Hammerspoon, AppleScript, Scriptable |

## Infrastructure & Cloud

| Category   | Technologies                 |
|------------|------------------------------|
| Cloud      | AWS, GCP, Azure              |
| Containers | Docker, Kubernetes           |
| CI/CD      | GitHub Actions, GitLab CI    |
| Monitoring | Datadog, Prometheus, Grafana |
| Search     | Elasticsearch                |

## AI & Data

| Category         | Technologies                   |
|------------------|--------------------------------|
| LLM              | OpenAI API, Claude API, Ollama |
| Image Generation | Stable Diffusion, DALL-E       |
| Machine Learning | Apple MLX, PyTorch, TensorFlow |
| Voice            | Whisper, Eleven Labs           |

## Off-Grid & Disaster Support

### Maui Activities (2025–)

- **Maria Lanakila Catholic Church:** Relationship building
- **Hana Farms:** Solar system design & installation
- **Honolua Bay Farm:** Technical lead for off-grid construction
- **Kahului Jodo Mission:** Community introduction

### Technical Areas

- Solar panel design & installation
- Battery system optimization
- Satellite communication (Starlink)
- Off-grid living infrastructure

---

## How I Work

---

### Results-Based Fee

No results, no fee.

### Available Support

- Business digitalization & optimization
- System development & tech selection
- AI implementation & automation
- Off-grid & disaster-resilient infrastructure
- International expansion (Japanese-English bilingual)

---

## Contact

---

### Takuya Sato

- Email: [business@satotakuya.jp](mailto:business@satotakuya.jp)
- Web: [satotakuya.jp](https://satotakuya.jp)
- Books: [zenn.dev/takuya\\_sato](https://zenn.dev/takuya_sato)

---

*Technology is a means. What matters is seeing the person in front of you.*