

# Curriculum Vitae

## Summary

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Full-stack / backend engineer specializing in Go and TypeScript. Strong in cloud infrastructure (IaC) and performance tuning for high-traffic services. Experienced in leading small teams, stakeholder coordination, and knowledge sharing through mob/pair programming.

## Experience

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**SUPER STUDIO — Backend Engineer (2025-07 – Present)**

Big Data Group (Backend → xfunction)

### Event-Driven Data Platform

- Developed and operated an event-driven platform with Go, Next.js, Kafka, Spark, Kubernetes, ArgoCD
- Launched xfunction team; facilitated Scrum events and remote knowledge sharing
- Cross-team coordination for high-traffic features and performance tuning

Go

Next.js

Kafka

Spark

Kubernetes

ArgoCD

**Monstarlab — Tech Lead / Software Engineer (2021-09 – 2025-06)**

### Okinawa Theme Park App (2025-01 – 2025-06)

- Built serverless infrastructure with SST + Pulumi under a 1.5-week release deadline
- Aligned stakeholders early and stabilized operations under traffic spikes over 10,000 RPS
- Ran mob programming under time constraints to share context and upskill teammates

### Furusato Tax Points → Stock Redemption Service (2024-11 – 2025-01)

- Developed a high-traffic Next.js frontend on Cloud Run
- Optimized WebP/AVIF and loading strategy; owned area up to ~1,500 RPS (target 20,000 RPS)

### Corporate Portal Site Migration (2024-04 – 2024-11)

- Proposed and executed CMS → headless CMS migration; reverse engineered legacy customizations
- Delivered code-driven migration and IaC to reduce operational dependency
- Designed a Lambda-based architecture with Astro (ISR-like) and improved SEO
- Reduced CMS cost from ~JPY 200,000/month to ~JPY 10,000–20,000/month

### Inventory Management System Rebuild (2022-09 – 2023-10)

- Supported full-stack delivery including DB design, backend/frontend development, and overseas collaboration

Go

TypeScript

React

Next.js

Astro

AWS

GCP (Cloud Run)

SST

Pulumi

Terraform

KiteRa — Software Engineer / Tech Lead (2021-05 – 2022-07)

### Labor SaaS Development

- Developed a SaaS product for labor and social security attorneys (Go, Svelte, PostgreSQL, AWS)

### e-Gov "36 Agreement" Electronic Submission

- Tech lead for Japan's first electronic submission feature for "36 Agreement" filings

Figunny — Software Engineer (2020-08 – 2021-04)

### CRM Development (SES)

- Maintained and extended a CRM service (Python on AWS Lambda); fixed bugs and delivered new features
- Optimized DynamoDB queries/indexes for large datasets (~150GB) to stabilize target screens
- Created internal documentation and debugging workflows to reduce onboarding time

### Scraping Project (2020-08 – 2020-09)

- Built a Django + BeautifulSoup4 pipeline with distributed processing (Celery/ThreadPool)
- Built AWS infra (EC2/S3/Aurora) and optimized DB/performance for large volumes

Freelance (2020-07)

- Implemented CSV export and feature work for a time tracking system (PHP/Laravel)

SysNavi — Software Engineer (2018-12 – 2020-06)

### Law Firm Time & Billing System (2019-06 – 2020-06)

- Delivered PDF export, staging environment (docker-compose), and agile mockups
- Supported requirements, design, and customer communication

### Back-Office RPA (2019-10 – 2019-12)

- Implemented WinActor automation and built a lightweight management UI/API in PHP

### Chemical Lab Data Visualization App (2019-07 – 2019-09)

- Built Excel ingest and graph search UI (Django + TypeScript + plotly.js)

### Audit Firm DB Integration (2019-02 – 2019-06)

- Built data transformation and batch workflows using Alteryx + SQL Server (logging/orchestration included)

### Plan vs Actual App (2018-12 – 2019-01)

- Integrated Outlook Calendar API and developed visualizations (C#/.NET + jQuery)

Sole Proprietor — Import/Wholesale Business (2018-04 – 2018-09)

- Explored an import business for Spanish cured ham: supplier outreach, negotiation, test import, and cost/feasibility evaluation

Sumitomo Chemical — R&D Assistant / Research Support (2012-04 – 2018-03)

- Supported R&D on polypropylene (PP) films and battery separator materials
- Collected baseline data for heat-resistant PP separator films; assisted experiments and analysis

## Skills

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Go, TypeScript/JavaScript, React, Next.js, Astro, Python (Django), PHP (Laravel), AWS, GCP (Cloud Run), Terraform/Pulumi/SST, PostgreSQL/MySQL/DynamoDB

Practices: performance tuning, IaC, cost optimization, stakeholder alignment, mob/pair programming, remote collaboration

## Certifications

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- Pollution Control Manager (Water Quality, Class 1) (2011-10)
- Hazardous Materials Handler (Class A) (2011-08)
- Second-Class Electrician (2010-10)
- Boiler Engineer (Class II) (2010-07)
- Driver's License (2010-06)

## Education

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Tokyo University of Science, Department of Chemistry (2014-04 – 2018-03)

Studied organic chemistry while working full-time