# Resume

## Basic Information

**Name**: Yuta Hidaka
**Phonetic Name**: HIDAKA YUTA
**Gender**: Male
**Date of Birth**: March 22, 1994 (Age 30)

## Education

| START DATE | GRADUATION DATE | SCHOOL NAME / FACULTY / DEPARTMENT |
| --- | --- | --- |
| April 2014 | March 2018 | Tokyo University of Science, Department of Chemistry |

**Academic Achievements**:

While working full-time at Sumitomo Chemical, I attended university for four years to deepen my knowledge of chemistry. Balancing R&D and work, I mutually leveraged the knowledge gained from both areas, graduating in four years under challenging conditions.

## Work Experience

Monstarlab Inc.

# Web Application Development (January 2025 – Present)

**Department**: -
**Role / Position**: Tech Lead / Team of 5
**Project Scale**: Approximately 50 members, including overall PM and PMO
**Technologies Used**: React, SST, Pulumi, AWS

**Job & Project Overview**:
As the Tech Lead, I participated in building web applications, native applications, backends, and management consoles for a theme park in Okinawa scheduled to open in 2025. At the project's inception, the release schedule was extremely tight with only 1.5 weeks until launch. I migrated the server-side rendered (SSR) web pages to a serverless architecture, ensuring infrastructure stability. Specifically, I utilized SST and Pulumi to achieve efficient infrastructure design, successfully enabling a rapid release. In the backend, to eliminate elements that would black-box infrastructure, API design, and package decision flows, I proceeded with the assumption of introducing a decision-making flow using ADR (Architecture Decision Records).

**Team Leadership Experience**:
In the early stages of the project, I led the team in setting challenges and goals in collaboration with the user and planning departments. I designed KPIs and managed expectations to clarify the overall direction. I spearheaded the examination of system scope and development methodologies. For architecture design, I leveraged cloud environments (AWS) to design a scalable and highly available platform. Developed at a high speed with one-week sprints, actively participated in creating PBIs and release tasks to ensure agile development functions correctly.

**Initiatives and Achievements**:
Post-launch, I designed the system to handle over 10,000 RPS (requests per second) instantly, significantly contributing to system stability. To enhance team members' skills, I introduced mob programming, actively sharing specifications and technologies, thereby increasing overall team productivity. Additionally, I led the infrastructure configuration for the backend and CMS, proactively building infrastructure capable of withstanding high traffic environments.

## Web Application Development (November 2024 – January 2025)

**Department**: -
**Role / Position**: Tech Lead / Project Team of 100
**Technologies Used**: Golang, Next.js 15, GCP (Cloud Run, Spanner), DataDog

**Job & Project Overview**:
Participated as a software engineer in the web development project for a hometown tax donation service that allows exchanging points for stocks. The project was based on a microservices architecture, enabling API integration with various services. The overall traffic exceeded 20,000 RPS.

**Initiatives and Achievements**:
Optimized the frontend using Next.js's App directory and introduced image optimization technologies like WebP and AVIF to handle extensive image usage. Implemented lazy loading to enhance user experience and reduce system load. Based on agile development methodologies, I efficiently created PBIs and managed release tasks, contributing to the smooth progress of the project.

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## Web Application Development (April 2024 – November 2024)

**Department**: -
**Role / Position**: Tech Lead / Team of 3
**Technologies Used**: Golang, Astro, SST, Pulumi, Terraform (initial phase)

**Job & Project Overview**:
As the Tech Lead, I participated in the project to migrate the company's comprehensive website to a headless CMS. I conducted reverse engineering of the customized existing CMS to ensure a smooth transition to the headless CMS. Promoted Infrastructure as Code (IaC) by introducing Terraform in the initial stages, eliminating dependency on individuals and improving operational efficiency.

**Platform Design Experience**:
Handled system planning and architecture design, utilizing Lambda and AstroJS to create a scalable architecture. With predetermined budgets and deadlines, I collaborated with user and planning departments to set clear challenges and goals. Designed KPIs and

managed expectations to unify the project's overall direction. Focused on procurement of the development framework and team building, establishing an efficient development process. Implemented mob programming to enhance the development team's efficiency.

**Initiatives and Achievements**:
Successfully migrated from the existing CMS to the headless CMS through reverse engineering, achieving cost reduction and improved SEO performance. Specifically, reduced CMS operational costs from 200,000 JPY per month to 10,000–20,000 JPY while enhancing search engine optimization. Established optimal development processes through system scope and development methodology assessments.

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## Web Application Development (September 2022 – October 2023)

**Department**: -
**Role / Position**: Software Engineer / Team of 6
**Technologies Used**: Golang, MySQL, Vue (NUXT3), AWS

**Job & Project Overview**:
Participated as a full-stack engineer in the redevelopment project of a company's web-based inventory management system. Responsible for database design, direction setting, and collaboration with overseas teams to support the smooth progression of the project. Specifically developed the backend using Golang, designed the database with MySQL, and implemented the frontend using Vue (NUXT3).

**Team Leadership Experience**:
Facilitated smooth communication with overseas teams through regular meetings and documentation maintenance, ensuring project quality and adherence to deadlines.

**Initiatives and Achievements**:
Handled infrastructure construction using AWS, ensuring system availability and scalability. Achieved efficient data management and fast query responses through effective database design, and improved the user interface on the frontend.

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# KiteRa Inc.

## SaaS Development for Labor and Social Security Attorneys (May 2021 – July 2022)

**Department**: -
**Role / Position**: Software Engineer / Team of 5
**Technologies Used**: Golang, PostgreSQL, Svelte, AWS, Python, Stripe

**Job & Project Overview**:
Involved in the development of a SaaS project for labor and social security attorney firms, implementing Japan's first electronic application feature for the 36 Agreement. Participated from the seed stage to the early release stage, developing necessary functionalities and enabling integration with e-Gov.

**Team Leadership Experience**:
Joined the project from its initial stages, leading system planning and architecture design. Ensured product scalability and reliability through development methodology assessments and architecture design.

**Initiatives and Achievements**:
Developed the backend using Golang, designed the database with PostgreSQL, and implemented the frontend using Svelte. Introduced payment functionalities using Stripe, addressing various technical challenges. This provided a platform where labor and social security attorneys could efficiently perform electronic applications, significantly improving operational efficiency.

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# Fignny Inc.

## CRM Development (September 2020 – April 2021)

**Department**: -
**Role / Position**: Software Engineer / Team of 25
**Technologies Used**: Python (Custom Framework), DynamoDB, AWS EC2, AWS Lambda, Jenkins, GitHub, MongoDB, MySQL, Redis, PHP, Vue.js, Angular.js 1.2, Docker Compose

**Job & Project Overview**:
Worked on a CRM service development project at a client site as a Software Engineer. Responsibilities included deploying APIs using Python on Lambda, optimizing DynamoDB queries, bug fixing, and developing new features. Managed complex system structures and numerous bugs by maintaining documentation and setting up debugging environments, ensuring smooth handovers to subsequent team members.

**Platform Design Experience**:
Streamlined development processes and improved quality through CI/CD pipeline setup and team building.

**Initiatives and Achievements**:
Optimized DynamoDB queries to enhance performance, promptly fixed bugs, and designed and implemented new features. Actively conducted code reviews and technical sharing sessions within the team.

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# Freelance

## Time Management Software Development for Professionals (July 2020)

**Department**: -
**Role / Position**: Software Engineer / Team of 4
**Technologies Used**: PHP (Laravel), Windows, MySQL 5.6, Docker, FreeBSD

**Job & Project Overview**:
As a freelancer, participated in the development of a time management software for professional services. Responsible for implementing CSV export functionality for aggregated data, developing new features, and fixing bugs. Utilized the Laravel framework to efficiently develop based on project requirements, creating an intuitive user interface.

**Team Leadership Experience**:
Exhibited initiative by leading the development process in collaboration with team members. Addressed challenges proactively, managing overall development to enhance productivity and quality by introducing efficient development methodologies.

**Initiatives and Achievements**:
Performed the following tasks:

- **Implemented CSV Export for Aggregated Data**: Designed and developed a feature allowing users to easily export data.
- **Developed New Features**: Rapidly developed new functionalities based on client requests, enhancing product value.
- **Bug Fixing**: Quickly identified and resolved bugs to maintain system stability.

This resulted in improved usability and functionality of the time management software for professionals, providing a highly satisfactory product to clients.

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# Sysnavi Inc.

## System Development Department (April 2012 – March 2018)

**Role / Position**: Software Engineer / Team of 4
**Technologies Used**: PHP (Laravel), Windows, MySQL 5.6, Docker, FreeBSD

**Job & Project Overview**:
Involved in the development of a time management system for law firms. Responsibilities included implementing PDF export functionality, creating mockups, setting up staging environments, and introducing agile development methodologies. Introduced a ticket-driven development approach, establishing Sysnavi's outsourcing development foundation.

**Team Leadership Experience**:
Actively worked on improving development processes and team building. Collaborated with user and planning departments to set challenges and goals, designed KPIs, and managed expectations. Focused on procuring development frameworks and enhancing

team members' skills to establish an efficient development process.

**Initiatives and Achievements**:
Performed the following tasks:

- **Implemented PDF Export Functionality**: Developed a feature allowing users to preview and generate invoices easily.

- **Created Mockups**: Used Bootstrap to create UI prototypes, quickly reflecting customer feedback.

- **Set Up Staging Environments**: Utilized Docker Compose to organize development and testing environments, enhancing development process efficiency.

- **Introduced Agile Development**: Implemented agile methodologies within the team to support flexible and rapid project progression.

- **Requirements Definition & Client Interaction**: Conducted requirements definition and specification formulation through communication with clients, unifying project direction.

These initiatives significantly improved project quality and on-time delivery rates, delivering systems with high customer satisfaction.

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## Certifications

- **October 2011**: Environmental Pollution Control Manager, Water Quality Category I

- **August 2011**: Type A Hazardous Materials Handler

- **October 2010**: Second-Class Electrical Worker

- **July 2010**: Boiler Engineer II

- **June 2010**: Ordinary Driver's License

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# Skills and Expertise

- **System Construction**: Comprehensive experience in designing, developing, and operating complex systems. Particularly experienced in implementing serverless architectures and developing microservices.

- **Infrastructure Construction**: Designed and built cloud infrastructures using AWS and GCP. Automated processes using IaC tools like Terraform and Pulumi.

- **Requirements Definition & Client Negotiation**: Translated business requirements into technical specifications through effective communication with clients, proposing and implementing optimal solutions.

- **Programming Experience**: Extensive full-stack development experience, proficient in a wide range of technologies from backend to frontend.

- **Knowledge in Polymer Science**: Analytical skills and problem-solving abilities developed through research and development experience.

- **Manufacturing Industry Experience**: Project promotion capabilities leveraging experience in manufacturing system development and materials development.

- **Practical Experience as Scrum Master/Tech Lead**: Implemented and promoted agile development methodologies, team building, and project management.

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# Professional Achievements

## Other Projects

- **RPA Automation of Back-Office Operations for a Chemical Manufacturer (October 2019 – December 2019)**

  - **Responsibilities**: Implemented RPA, created PHP APIs for proposals, and developed management consoles. Proposed the construction of an RPA framework, realizing efficient automation processes.

- **Web Application Development for Visualization of Experimental Data for a Chemical Manufacturer (July 2019 – September 2019)**

- **Responsibilities**: Implemented Excel data import logic and graph display features. Enabled efficient data ingestion and visualization of large datasets, supporting research data analysis.
  - **DB Integration Project for an Audit Firm (February 2019 – June 2019)**
    - **Responsibilities**: Performed data cleansing using Alteryx and implemented email sending functionalities. Streamlined data integration from diverse sources, establishing a foundation for KPI analysis.
  - **Planned vs. Actual Management Web Application Development (December 2018 – January 2019)**
    - **Responsibilities**: Edited LINQ for data acquisition logic and integrated Outlook APIs. Visualized differences between planned and actual work schedules, supporting operational efficiency improvements.

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# Personal PR

## Analytical Skills

In research work, I have accurately determined the impact of materials through the analysis of experimental data and planned and modified experiments. This skill is highly beneficial in system development, where I can accurately understand data and results, discuss with the team, and derive optimal solutions. Even in projects involving complex systems and large amounts of data, I can demonstrate logical analytical abilities to identify root causes and propose and implement effective solutions.

## Problem Recognition Ability

Through improvement activities in the manufacturing industry, I have noticed small areas for improvement and proactively proposed and implemented improvement measures. In my previous role, I submitted nearly 24 improvement proposals annually and consistently handled problem identification and resolution in system development. This contributed to the efficiency of business processes and the reliability of systems. By objectively evaluating the current state and identifying areas for improvement, I achieve sustainable growth and quality enhancement.

## Perseverance and Persistence

While employed at Sumitomo Chemical, I balanced full-time work with attending Tokyo University of Science, successfully completing both academic and professional responsibilities over four years. This experience cultivated my ability to persistently achieve goals even under challenging circumstances. I can maintain high performance in long-term projects and high-pressure environments by managing stress effectively. This perseverance and persistence provide a foundation for delivering stable results in any project.

## Proactivity

I proactively advance tasks and actively engage in acquiring new technologies and launching services. I continuously learn and improve my technical skills by publishing my work and utilizing VPS and AWS to build servers, integrating with Git, and publishing my achievements. This approach allows me to stay updated with the latest technology trends and continuously refresh my skills to align with practical demands. For more details, please visit https://yuta.dev.

# Additional Information

## Activities as a Sole Proprietor

**Import and Sales of Prosciutto (April 2018 – September 2018)**
Planned and executed the import business of Spanish prosciutto. Collected company information from the Spanish Embassy to obtain export permits, scheduled appointments with suppliers, and conducted on-site assignments. After selecting import companies, performed test imports, handled customs procedures through forwarders, conducted bacterial testing, and negotiated storage locations. Engaged in diverse marketing activities including online reservations, advertising, crowdfunding, and door-to-door sales. However, due to the balance between self-capital and borrowed funds, I determined that achieving the break-even point was difficult and discontinued the business launch. Through this experience, I acquired a wide range of skills from business planning to execution and risk management.

# Research Activities at Sumitomo Chemical Co., Ltd.

**Development of Medical-Grade PP Materials (July 2020)**
At Sumitomo Chemical's Functional Materials Research Institute, developed medical-grade polypropylene (PP) materials for medical products. Specifically, established polymerization compositions for contact lenses and developed materials for medical PP bottles. Worked on suppressing warping due to cooling conditions during injection molding and preventing radical generation from UV exposure, proposing new materials to reduce contamination within containers.

**Development of High-Heat-Resistant PP Materials (June 2015 – October 2016)**
At Sumitomo Chemical's Petrochemical Research Institute, conducted basic research on high-heat-resistant PP materials for battery separators. Aimed to improve properties such as heat resistance, puncture strength, uniformity of microporosity, and void ratio through material exploration and structural analysis. Contributed to enhancing the performance of heat-resistant PP materials through the acquisition of foundational data.

**Assistance in Developing PP Film Materials (November 2016 – March 2018)**
Assisted in the development experiments for packaging materials and battery separators. Specifically, supported experiment preparation, data collection, and analysis tasks, contributing to the efficiency of the R&D process. Supported the research team's activities through organizing experimental results and preparing reports.