Resume

Basic Information

- **Name**: Yuta Hidaka
- **Phonetic**: Yuta Hidaka
- **Gender**: Male
- **Date of Birth**: March 22, 1994 (30 years old)

Education

ENROLLMENT DATE	GRADUATION DATE	SCHOOL / FACULTY / DEPARTMENT
April 2014	March 2018	Tokyo University of Science, Department of Chemistry (Second Division)

Academic Achievements:
While working full-time at Sumitomo Chemical, I attended university for four years, deepening my knowledge in chemistry. Balancing research and work, I successfully graduated within four years by mutually leveraging the knowledge and experience gained from both domains.

Work History

Monstarlab Inc.

Web Application Development (January 2025 – Present)

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

Project Overview:
I joined as a Tech Lead on a project to build a web application, native app, backend, and management dashboard for an upcoming theme park in Okinawa scheduled to open in 2025. At the project's start, we faced an extremely tight schedule of only 1.5 weeks to release the web component. I migrated the SSR-based webpage to a serverless architecture, ensuring infrastructure stability. Specifically, I leveraged SST and Pulumi to achieve efficient infrastructure design, which contributed to a successful short-term release. For the backend, I introduced an ADR (Architectural Decision Record) process to eliminate black-box elements in the infrastructure, API design, and package decision flows.

Team Leadership Experience:
At the initial stage of the project, I led the team by setting goals and challenges together with the user and planning departments. I defined KPIs and managed expectations to clarify the overall direction. I spearheaded system scope and development approach discussions. In the architectural design, I built a scalable and highly available platform using AWS cloud services. Working with one-week sprints, I actively participated in PBI creation and ensured the agile development process functioned correctly.

Initiatives and Achievements:
After launch, I designed the system to handle over 10,000 RPS instantaneously, greatly contributing to its stable operation. I introduced mob programming to enhance team members' skills and actively shared specifications and technologies, increasing overall team productivity. Additionally, I led the infrastructure design for backend and CMS, proactively constructing an infrastructure capable of withstanding high traffic.

Web Application Development (November 2024 – January 2025)

- **Department**: –
- **Role/Position**: Tech Lead / Team of 100 across the project
- **Technologies Used**: Golang, Next15, GCP (Cloud Run, Spanner), Data Dog

Project Overview:
I participated as a software engineer in a web development project for a service that allows users to exchange stocks in lieu of points through hometown tax donations. The project was based on a microservices architecture, enabling API integrations with various services. The overall traffic exceeded 20,000 RPS.

Initiatives and Achievements:
I optimized the frontend using NextJS's App Directory and implemented image optimization techniques (webp, avif) to handle abundant images. By employing lazy execution, I improved user experience and reduced system load. Using agile development methods, I contributed to efficient PBI creation and release processes, ensuring smooth project progress.

Web Application Development (April 2024 – November 2024)

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

Project Overview:
I served as Tech Lead in a project to migrate a corporate comprehensive website to a headless CMS. I reverse-engineered the customized current CMS to facilitate a smooth transition to a headless CMS. I promoted the Infrastructure as Code (IaC) approach by introducing Terraform in the early stages, which eliminated dependency on specific individuals and improved operational efficiency.

Platform Design Experience:
I was responsible for everything from system planning to architectural design, creating a scalable architecture using Lambda and AstroJS. Collaborating with user and planning departments under fixed budgets and deadlines, I defined clear challenges and goals, designed KPIs, and managed expectations to unify the project direction. I also focused on building an efficient development process by procuring resources and building the team, employing mob programming to boost efficiency.

Initiatives and Achievements:
By successfully transitioning from a traditional CMS to a headless CMS through reverse engineering, I achieved significant cost reductions and improved SEO performance. For example, monthly CMS operational costs were reduced from 200,000 yen to between 10,000–20,000 yen while strengthening SEO. I also established optimal development processes by reviewing system scope and development methods.

Web Application Development (September 2022 – October 2023)

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

Project Overview:
I participated as a full-stack engineer in a project to rebuild a company's web-based inventory management system. I was responsible for database design, project direction, and collaboration with an overseas team. Specifically, I developed the backend using Golang, designed the database with MySQL, and implemented the frontend using Vue (NUXT3).

Team Leadership Experience:
By conducting regular meetings and maintaining thorough documentation, I ensured smooth communication with the overseas team and maintained project quality and adherence to deadlines.

Initiatives and Achievements:
I built the AWS-based infrastructure to ensure the system's availability and scalability. My database design achieved efficient data management and rapid query responses, and I enhanced the user interface on the frontend.

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

Project Overview:
I worked on a SaaS project for labor and social security attorneys, implementing Japan's first electronic submission functionality for the "36 Agreement." From the seed stage through the Series A stage, I developed essential functions and enabled integration with e-Gov. Following release, the new application rate reached 10%, and the churn rate decreased by 1%.

Team Leadership Experience:
From the project's early stages, I led system planning and architectural design. I evaluated development methods and system architecture to ensure product scalability and reliability. Collaborating with teams from the legal profession, I confirmed workflow details and coordinated with various stakeholders while decomposing tasks into manageable pieces to allow for effective delegation among team members.

Initiatives and Achievements:
I developed the backend using Golang, designed the database with PostgreSQL, and implemented the frontend with Svelte. I also tackled various technical challenges such as integrating Stripe for payment functionality. This work significantly improved the efficiency of electronic submissions for labor and social security attorneys.

Fignny Inc.

CRM Development (September 2020 – April 2021)

- **Department**: –
- **Role/Position**: Software Engineer / Team of 25
- **Technologies Used**: Python (proprietary framework), DynamoDB, AWS EC2, AWS Lambda, Jenkins, GitHub, MongoDB, MySQL, Redis, PHP, Vue.js, AngularJS 1.2, docker-compose

Project Overview:
I participated in a CRM service development project at an SES client. My responsibilities included deploying APIs using Python on AWS Lambda, optimizing DynamoDB queries, bug fixes, and new feature development. To address the complex system structure and numerous bugs, I organized documentation and built a debugging environment, ensuring a smooth handover to successors.

Platform Design Experience:
I evaluated development methods, established CI/CD pipelines, and built the team to improve both development efficiency and product quality.

Initiatives and Achievements:
I optimized DynamoDB queries to enhance performance, promptly fixed bugs, and designed/implemented new features. Additionally, I conducted regular code reviews and technical sharing sessions within the team.

Freelance

Development of Time Management Software for Professionals (July 2020)

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

Project Overview:
As a freelancer, I participated in a project to develop time management software for professionals. I was responsible for implementing CSV export functionality for aggregated data, developing new features, and bug fixes. Leveraging the Laravel framework, I built an intuitive interface that enabled users to operate the system effortlessly.

Team Leadership Experience:
I took a proactive role in leading the team by coordinating with members, resolving issues, and managing the overall development process. I introduced efficient development methods aimed at improving productivity and quality.

Initiatives and Achievements:

- **CSV Export Functionality**: Designed and implemented a feature allowing users to easily export data.
- **New Feature Development**: Rapidly developed new functionalities according to customer requirements, enhancing the product's value.
- **Bug Fixes**: Quickly identified and resolved bugs to maintain system stability.

Sisnavi 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

Project Overview:
I was involved in developing a time management system for law firms. My responsibilities included implementing PDF output functionality, creating mockups, constructing staging environments, and introducing agile development practices. I implemented a ticket-driven development approach that laid the foundation for Sisnavi's contract development business.

Team Leadership Experience:
I actively worked on improving the development process and building the team. Collaborating closely with the user and planning departments, I set clear goals and challenges, defined KPIs, and managed expectations. I also worked on procuring resources and enhancing team members' skills to establish an efficient development process.

Initiatives and Achievements:

- **PDF Output Functionality**: Implemented a feature enabling on-screen preview and simple generation of invoices.

- **Mockup Creation**: Created user interface prototypes using Bootstrap, quickly incorporating client feedback.

- **Staging Environment Setup**: Built development and test environments using docker-compose to streamline the development process.

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

- **Requirements Definition and Client Interaction**: Communicated with clients to define requirements and specifications, unifying the project's direction.

These efforts significantly improved project quality and adherence to deadlines, resulting in high client satisfaction.

Certifications

- **October 2011**: Class 1 Water Quality Pollution Prevention Manager

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

- **October 2010**: Second-Class Electrician

- **July 2010**: Boiler Operator (Type II)

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

Relevant Experience, Knowledge, and Skills

- **System Architecture**: Experienced in end-to-end system design, development, and operations—including serverless architectures and microservices-based development.

- **Infrastructure Setup**: Proficient in designing and building cloud infrastructure using AWS and GCP, with automation using IaC tools (Terraform, Pulumi).

- **Requirements Definition & Client Negotiation**: Skilled at translating business requirements into technical specifications and proposing optimal solutions through effective client communication.

- **Full-Stack Development Expertise**: Comprehensive experience in both backend and frontend development.

- **Polymer Science Knowledge**: Analytical skills and problem-solving abilities honed through research and development work in chemistry.

- **Manufacturing Experience**: Experience in system development for manufacturing and materials development projects, contributing to robust project execution.

- **Agile Leadership**: Proven track record as a Scrum Master/Tech Lead in implementing agile practices, team building, and project management.

Project Achievements

Other Projects

- **RPA Implementation for a Chemical Manufacturer's Back Office (October 2019 – December 2019)**
    - **Description**: Implemented RPA, developed a proposal PHP API, and built a management dashboard. Proposed an RPA framework to streamline automation processes.

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

- **Description**: Developed Excel import logic and graph display functionality to efficiently ingest and visualize large amounts of experimental data, aiding data analysis.
  - **DB Integration Project for an Audit Firm (February 2019 – June 2019)**
    - **Description**: Implemented data cleansing using Alteryx and developed an email dispatch function, streamlining data integration from diverse sources to build a KPI analysis foundation.
  - **Planned vs. Actual Management Web Application (December 2018 – January 2019)**
    - **Description**: Edited data retrieval logic using LINQ and integrated Outlook API to visualize differences between planned and actual schedules, improving operational efficiency.

Self PR

Analytical Skills

During my research work, I analyzed experimental data to accurately assess the impact of materials, allowing me to plan and adjust experiments accordingly. This skill transfers directly to system development, where I can interpret complex data and results to facilitate informed discussions with team members and propose effective solutions. Whether managing complex systems or handling vast datasets, I excel at identifying root causes and implementing effective solutions.

Problem Recognition

My experience in manufacturing improvement initiatives has honed my ability to spot even minor areas for improvement and proactively propose and implement solutions. In my previous role, I submitted nearly 24 improvement proposals annually, significantly enhancing operational processes and system reliability. I continually evaluate the status quo objectively, identifying opportunities for sustained growth and quality enhancement.

Persistence and Endurance

While working at Sumitomo Chemical, I balanced full-time work with university studies at Tokyo University of Science, successfully completing both over a four-year period. This experience developed my ability to persevere and achieve goals even under challenging circumstances. My endurance and persistence enable me to maintain high performance in long-term projects and high-pressure environments.

Initiative

I am proactive in advancing projects and continuously learning new technologies. I have set up my own VPS and AWS-based servers, integrated with Git, and published my work online. This self-driven approach ensures that I stay updated with the latest technology trends and can immediately apply these skills in practice. For more details, please visit https://yuta.dev.

Other

Entrepreneurial Activities as a Sole Proprietor

Imported Cured Ham Sales (April 2018 – September 2018)
I planned and executed an import business for Spanish cured ham. I collected company information from firms that had received export permits from the Spanish Embassy, set up appointments with potential partners, and even traveled overseas for negotiations, supplier visits, and factory inspections. I handled test imports, coordinated with forwarders for customs clearance, managed bacterial testing, and negotiated storage arrangements. Despite extensive efforts in online reservations, advertising, crowdfunding, and direct sales, the balance of personal capital and loans rendered the business unsustainable, leading to its discontinuation. This experience allowed me to acquire a wide range of skills in business planning, execution, and risk management.

Research Experience at Sumitomo Chemical Inc.

Medical-Grade PP Material Development (July 2020)
At Sumitomo Chemical's Functional Materials Research Institute, I engaged in developing polymer-grade polypropylene for medical applications. I worked on establishing a polymer composition for contact lenses and developing materials for medical-grade PP bottles. My work included reducing distortions during injection molding by optimizing cooling conditions and proposing materials to inhibit radical generation from UV exposure, thereby minimizing container contamination.

High-Temperature Resistant PP Material Development (June 2015 – October 2016)
At the Petrochemical Research Institute of Sumitomo Chemical, I conducted basic research on high-temperature resistant PP for battery separators. I focused on enhancing properties such as heat resistance, puncture resistance, uniformity of micropores, and porosity, ultimately contributing to performance improvements through data acquisition and structural analysis.

Assistance in PP Film Material Development (November 2016 – March 2018)
I assisted in experiments for developing packaging materials and battery separators. My responsibilities included preparing experiments, data collection, and analysis, thereby contributing to improved efficiency in the R&D process. I also organized experimental results and prepared reports to support the team's research activities.