

Tatsuya Nakagomi

tatsuya.nakagomi@gmail.com | 0423-867-975 | Wentworth Point, NSW 2127

<https://www.linkedin.com/in/tatsuya-nakagomi-9231a7239>

PROFESSIONAL SUMMARY

Motivated and adaptable Full Stack & Infrastructure Engineer with hands-on experience in building scalable web applications and cloud-native solutions. Proven success developing production systems at Zepi using Next.js, TypeScript, FastAPI, Terraform, Docker, AWS, and AI-driven architectures. Strong foundation in computer science, with degrees from the University of Sydney and Chuo University. AWS Certified Developer with expertise in containerization, cloud architecture, and CI/CD automation. Passionate about solving real-world problems through clean architecture, collaboration, and continuous learning.

SKILLS

Programming Languages: TypeScript, JavaScript, Python, Ruby, C/C++, Java

Backend & Infrastructure: Node.js, Ruby on Rails, Django, FastAPI, PostgreSQL, MongoDB, Terraform, Docker, Git

Frontend & UI Frameworks: Next.js, React.js, Angular.js, Tailwind CSS

Cloud & DevOps: AWS (EC2, S3, CloudFront, ECR, RDS, ElastiCache, CodePipeline, CodeBuild, AppRunner, SNS, SQS, Lambda, Bedrock), GitHub Actions, CI/CD, Linux, REST APIs.

PROFESSIONAL EXPERIENCE

Zepi

Sydney, Australia

Full Stack Engineer, CIO

Jul 2025 - Present

- Designing a platform to help individuals kickstart their IT careers in Australia, using Next.js, TypeScript, FastAPI, Terraform, Docker, AWS (ECS, Bedrock, etc), and Strands Agents with Large Language Models (LLMs).
- Implementing a first Minimum Viable Product (MVP), an online AI-powered assessment system for personal information and skill evaluation.
- Building an interactive AI chatbot for personalized career guidance and Q&A
- Developing a responsive UI and optimizing user experience with modern frontend frameworks.
- Architecting secure authentication systems across the frontend, backend, and cloud.

aeolia

Tokyo, Japan (Full-Remote)

Full Stack Engineer

Jan 2025 - Present

- Developed and launched core features for SpotsNinja (July 2024), an application with 100K+ users, using TypeScript, Next.js, AWS, and Ruby on Rails. Implemented article and spot recommendation features based on user location, created event/post collection pages, and enhanced overall functionality. The platform aggregates local news and provides insights on living in Japan.
- Building dynamic content generation pipelines for event posts and spots by leveraging LLMs.
- Implemented an automated failure notification system in Slack, triggered during code releases to a testing branches, improving deployment reliability and developer workflow.
- Contributed to infrastructure engineering tasks, including managing staging instances, configuring proxies with Nginx, and optimizing load balancer setups.
- Collaborated with third-party vendors on cross-functional projects to deliver integrated solutions.

Chuo University for Medical & Biomedical Research

Tokyo, Japan

Graduation Thesis in Electrical, Electronic, and Communication Division.

Apr 2023 – Mar 2024

- Utilized C/C++ to implement a control program for rehabilitation training of Electric gloves that enables finger movement synchronized with the user's motor intention, which was previously not possible.
- Employed Windows API and C/C++ to embed a GUI (Graphical User Interface) in order for physical & occupational therapists to start rehabilitation training with electric gloves and human interface devices.
- Achieved an 80% recognition accuracy rate in identifying which fingers 8 participants, aged 21 and 22, attempted to move
- Valid control to electric gloves through human interface devices

Audi

Tokyo, Japan

Sales Operations Analyst Intern, Sales Operations Division

Nov 2022 – Jul 2023

- Process Integration & Systematization
 - Integrated the used car processes of Audi and Volkswagen to streamline workflows.
 - Participated in the preliminary stages of system development for process integration.
 - Contributed to the implementation of integrated processes, improving operational efficiency for both Audi and Volkswagen.
- Data Analysis & Problem Solving
 - Enhance the value of used car in response to new car shortages, increase sales, and boost the Audi market.
 - Analyzed various data sets to identify business problems and proposed solutions.

- Developed sales strategies and incentive plans for dealers, resulting in a 15% increase in market value.

OTHER EXPERIENCE

Lola's Table Filipino Mexican Bistro

NSW, Australia
Nov 2024 – Feb 2025

Chef & Waiter

- Prepared and served a variety of Filipino and Mexican dishes in a fast-paced kitchen.
- Maintained cleanliness and hygiene standards, including dishwashing and food prep.
- Answers customer orders with sincerity and professionalism.
- Handled customer concerns and resolved service-related issues.
- Supported urgent customer needs during busy shifts and service disruptions.

Kyo Ya Izakaya Bar

NSW, Australia
Oct 2024 – Nov 2025

Chef & Waiter

- Crafted hand-made sushi and supported daily food prep operations.
- Ensured high standards of kitchen cleanliness and dishwashing.
- Delivered friendly, attentive customer service and resolved issues.
- Assisted with customer orders and managed service during peak hours.

EDUCATION AND HONORS

University of Sydney, Faculty of Engineering
Master's in Computer Science

NSW, Australia
Jul 2024 – Oct 2026

- Weighted Average Mark (WAM): 80.3/100

Chuo University, Faculty of Science and Engineering
Bachelor's in Electrical, Electronic, and Communication Engineering

Tokyo, Japan
Apr 2020 - Mar 2024

- Cumulative GPA: 3.6/4.0
- President's and Dean's Award Scholarship of Chuo University (\$2,000 awarded for top 2% of the Faculty of Science and Engineering)

PROJECTS AND LEADERSHIP

Household Management Web Application

Dec 2024 – Feb 2025

Self-Project

- Built a personal finance tracker for managing income and expenses using Next.js, TypeScript, Prisma, Supabase, and AWS (SQS, Lambda, S3).
- Designed an interactive dashboard with full CRUD functionality for both income and expense records.
- Integrated secure authentication using JWT and OAuth.
- Implemented multi-currency tracking (JPY, AUD, USD, EUR) and daily exchange rate updates.
- Added OCR-based receipt scanning to extract transaction data automatically.

dev.to Clone Web Application

Oct 2024 – Nov 2024

Self-Project

- Built a fully functional dev.to-style platform from scratch using the T3 Stack: Next.js, TypeScript, tRPC, Prisma, Tailwind CSS, NextAuth.js, and Amazon S3.
- Implemented seamless CRUD operations for profiles, articles, comments, and user posts.
- Integrated authentication with NextAuth.js for secure sign-in and session handling.
- Enabled users to bookmark and like posts to track favorite content.
- Developed search functionality by user and topic for content discovery.

Volunteer Work

Tokyo, Japan
Jul 2021 – Sep 2021

The 2020 Olympic & Paralympic Games in Tokyo

Baseball Club

Saitama, Japan
2009 – 2020

Picher & Centerfield

- Played Competitively from elementary through high school.