

WATARU TAKAMINE

PROFESSIONAL SUMMARY

Highly skilled software engineer with over 5 years of experience in mobile app development, blockchain technology, and AI-driven automation. Demonstrated expertise in leading tech teams, developing scalable applications, and delivering cutting-edge solutions. Seeking to leverage hands-on experience with Kotlin, Python, and Typescript in a challenging software engineering role to drive innovation and enhance user experience.

WORK HISTORY

CTO & Founder, 02/2024 to Current

Leapify Inc - Tokyo, Japan

- Co-founded AI product database/report service, securing over 50 corporate leads as lead generation tool
- Drove the company toward a planned M&A sale
- Automated database update process using Python, Supabase, and ChatGPT, improving the efficiency of monthly AI product database updates
- Achieved updates within minutes, significantly reducing manual effort
- Implemented Google App Script to automate report generation based on database, enabling creation of monthly reports in just few minutes, reducing manual work substantially

Software Engineer, 05/2023 to Current

SARAH Inc - Tokyo, Japan

- Developed the ONIGIRI Chain and OMOCHI Chain on the Avalanche platform, creating specialized blockchain solutions for food and healthcare data management
- Delivered secure and scalable infrastructure for storing and analyzing consumer behavior data in Japan
- Collaborated with Avalabs during the Avalanche Summit 2023, contributing to the development of blockchain and decentralized applications (dApps), enhancing SARAH's integration within the Avalanche ecosystem
- Designed and deployed a scalable Blockchain Indexer utilizing Subquery, Avalanche, AvaCloud, and AWS CDK
- Automated data storage and analysis processes, advancing decentralized solutions for food and healthcare data management

Software Engineer, 08/2023 to 08/2024

Forward Inc - Tokyo, Japan

- Developed automation for generating scout emails using TypeScript, React, Next.js, Prisma, and ChatGPT at Forward, Inc., streamlining the recruitment process and improving communication efficiency for job

CONTACT

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WEBSITES, PORTFOLIOS, PROFILES

- <https://www.linkedin.com/in/0xwata>
 - <https://github.com/0xwata>
 - <https://0xwata.com>
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SKILLS

Programming Languages: Kotlin, Python, TypeScript

Frameworks and Libraries: React, Next.js, FastAPI

Cloud and Infrastructure: AWS (including AWS CDK), Docker, Firebase

Databases: SQL (PostgreSQL, MySQL), Supabase

Mobile Development: Android Development, Jetpack Compose, Multiplatform Mobile (KMM)

Development Processes and Tools: CI/CD (GitHub Actions), Git

API Development: GraphQL, RESTful APIs

Blockchain: Avalanche, SubQuery, AvaCloud

AI: Machine Learning, NLP, ChatGPT

- seekers and consultants in Japan's recruitment industry
- Implemented a feature that allows the bulk generation of multiple scout emails (specifically over 20 at once) for multiple job seekers and job postings, whereas previously only one scout email could be generated at a time
- Built a workflow integrating Lambda with Slack, enabling sales representatives to register clients who signed contracts directly from Slack, streamlining the process and improving efficiency

Android Engineer, 04/2020 to 07/2023

DMM.com LLC - Tokyo, Japan

- Developed content details screen for DMM TV Android app using Kotlin, Jetpack Compose, leading mapping of GraphQL schema fields to UI elements alongside other client-side engineers, successfully implementing app's most complex screen
 - Led performance tuning efforts by splitting queries into first view required data and eliminating over-fetching, reducing query complexity from 1500 to 750 and halving API response times, significantly improving user experience leading up to video playback
 - Contributed to large-scale project involving simultaneous release of web, Android, iOS, Fire TV, Android TV, and PS5 platforms, acting as point of contact for mobile team's specifications and requirements
 - Collaborated with cross-functional teams to optimize performance and UI responsiveness, enhancing user experience and increasing engagement on DMM TV
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EDUCATION

Master of Engineering (MEng), Technology Management for Innovation, 03/2020

The University of Tokyo - Tokyo

- Focus: Natural Language Processing, Text Mining, and Machine Learning
- Thesis: "Query-Oriented Multi-Document Summarization with a Focus on Causality for Economic Reports"

Bachelor of Engineering (BE), Mechanical and Aerospace Engineering, 03/2018

Tohoku University - Miyagi

- Focus: Exploration Rover, Image Recognition Obstacle Detection
 - Thesis: "Obstacle Recognition Based on Distance Imaging for Lunar and Planetary Exploration Robots"
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AWARDS RECOGNITIONS VOLUNTEERWORK

- SIGGRAPH ASIA 2022, 2022
 - Top 10% in Signate J-League Attendance Forecasting Competition, 2020
 - Wacoal Study Hall Kyoto Encouragement Award at SICF, 2019
 - Global Hagi Overseas Study Encouragement Award, 2016
 - Birdman Rally propeller-driven long distance class winner, 2015
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