

Arthur Lechte

Software Engineer

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📍 Based in Tokyo, Japan

Skills

Languages: English (native), Japanese (fluent)

Programming: Go, TypeScript, Python, PHP, Swift

Technologies & Tools:

Kubernetes, GCP (CloudSQL, Firestore, Firestore Realtime DB, Spanner), AWS (ECS, ECR, EC2, S3, Aurora RDS, ElastiCache), Terraform, Spinnaker, CircleCI, Datadog, gRPC, REST, Microservices, Jira, Confluence

Professional Experience



Reaktor — *Software Engineer Consultant*

May 2024 – Present | Tokyo, Japan

- Collaborating with global retail clients to design and develop internal products that modernize workflows and enhance the employee experience.
- Backend development in Go, AWS, Tencent Cloud, and PostgreSQL.
- Frontend development (iOS) in Swift using UIKit and RxSwift.
- Responsible for on-call operations, user inquiries, and release handling across multiple regions.
- Restored critical production systems during incidents and implemented sustainable long-term fixes.
- Proposed and prototyped a backend rearchitecture to reduce technical debt and simplify data models.
- Built a POC improving API performance and increasing reliability of batch job pipelines.



HireRoo — *Software Engineer*

Mar 2023 – Mar 2024 | Tokyo, Japan

- Developed a technical interview platform using Go microservices, Kubernetes, gRPC, TypeScript, React, and GraphQL.
 - Led full-stack feature development to detect cheating and enhance interview integrity.
 - Co-authored a proprietary algorithm for detecting pasted text playback (*patent application no. 2023-91367*).
 - Created a Python-based web scraper to collect 250K+ algorithm submissions, enabling plagiarism detection.
 - Designed a code-similarity microservice using the winnowing algorithm with interactive UI visualization.
 - Implemented behavioral tracking (tab focus, IP geolocation, third-party access detection) to flag suspicious activity.
 - Presented “Cheat Detection Strategies for DSA Interviews” at the HireRoo TechTalk series.
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Synspective — *Software Engineer*

Oct 2022 – Feb 2023 | Tokyo, Japan

- Developed SAR satellite tasking systems with TypeScript, Nest.js, React/Next.js, and Go on GCP Kubernetes.
 - Drafted architecture and schema redesign of the DaaS platform to decouple business logic and boost performance.
 - Developed a POC UI featuring complex input handling, filtering, and interactive Mapbox integration in collaboration with design and product teams with React.
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Mercari — *Software Engineer (Backend)*

mercari Oct 2020 – Sep 2022 | Tokyo, Japan

- Developed, migrated, and maintained Go microservices in a global team environment.
- Led migration of master data from a legacy PHP monolith to Go microservices with zero downtime.
- Built gRPC/HTTP services achieving low latency and high scalability (~10,000 req/sec).
- Managed CI/CD pipelines (CircleCI, Spinnaker) and infrastructure (GCP Spanner, Datadog, Kubernetes).
- Maintained >90% test coverage and served as on-call engineer for multiple critical services.
- Mentored interns and junior engineers through onboarding and code reviews.
- Automated translation workflows with GitHub Actions and Memsource, later migrating translation data to a structured database via an authored design doc.

Mercari — *Manager (Global Operation Team)*

Jul 2019 – Sep 2020 | Tokyo, Japan

- Designed and collaborated with engineers to develop an internal service for automating translation requests, gathering statistics, and visualising the language barrier within the

organisation. This was used for coming up with mid to long term strategies for addressing the organisational language issues, and assessing and planning headcounts of the Global Operations Team.

- Conducted 1:1 meetings, managed goal setting, and aligned team priorities.

Mercari — *Translator & Interpreter (Global Operation Team)*

Dec 2017 – Jun 2019 | Tokyo, Japan

- Provided real-time EN↔JP interpretation and technical translation for product and engineering teams.
 - Translated specs, dashboards, code comments, and documentation for internal and external stakeholders.
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Education

University of Tasmania

Bachelor of Business & Bachelor of Arts

2009 – 2014 | Tasmania, Australia

Double major in International Business and International Relations