SHOGO HIDA

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PROFESSIONAL EXPERIENCE

Full Stack Software Engineer & Development Team Sub-Leader

Zeroboard Inc., Tokyo, Japan | July 2023 - Present

- Led end-to-end development of GHG emissions analytics dashboard for major automotive and banking clients: owned requirements definition, database design, Go/GraphQL backend (1,500+ lines of code), TypeScript/Vue.js frontend (20+ components), QA coordination, and load testing. Implemented complex logic for automatic top-5 emission source selection and reduction contribution visualization. Delivered zero-defect production release within 3-month deadline.
- Spearheaded specification, development, and project management of emissions forecasting model for major banking client: architected predictive analytics system from requirements through implementation (1,000+ lines of code). Built machine learning pipeline processing 5+ years of historical data to predict future emissions. Successfully delivered after demos and QA coordination within 6-month timeline.
- Reduced dashboard response time by 40% through systematic performance optimization: identified bottlenecks via load testing and optimized 5 slow queries with strategic indexing.
- Elevated code quality through Clean Architecture principles: authored 300+ pull requests with comprehensive code reviews, establishing best practices across the engineering team.
- Led operations/maintenance team managing 100+ production fixes: coordinated daily bug fixes, hotfix releases, and production database corrections. Managed team progress and conducted bi-weekly 1-on-1s with 2 team members. Built monitoring and alerting infrastructure using CloudWatch/Datadog, achieving <1 hour incident response time.
- Championed AI adoption and automation across engineering: led technical evaluation and implementation of Claude AI for team workflows. Built an automated bug investigation system and alert analysis pipeline, reducing investigation time by 50% and accelerating root cause identification.

Software Engineer *Cykinso Inc., Tokyo, Japan* | November 2021 - June 2023

- Shipped 3 new services: pediatric test kit, unified platform, and healthcare provider service.

Software Engineer *Rakuten Inc., Tokyo, Japan* | October 2020 - October 2021

TECHNICAL SKILLS

Languages: Go, TypeScript, JavaScript, Python, Ruby, HTML/CSS, MySQL, PostgreSQL

Frameworks: Vue.js (Nuxt 3), React, Ruby on Rails, Echo, Gorm

Technologies: GraphQL, Docker, Kubernetes, GitHub Actions, AWS (EC2, RDS, ECS, S3, CloudWatch),

Other: Agile/Scrum, Clean Architecture, Load Testing, Code Review, CI/CD, Elasticsearch, Redis

OPEN SOURCE CONTRIBUTIONS & LANGUAGES

Open Source: Contributed to Kubernetes, Flutter, Transformers, LightGBM, PyTorch (10+ merged PRs)

Languages: Japanese (Native), English (IELTS 7.5), Spanish (DELE C1), Portuguese

EDUCATION

Master of Science, Development Economics Hokkaido University, Graduate School of Agriculture | 2013 - 2015

Bachelor of Science, Development Economics Hokkaido University, School of Agriculture | 2008 - 2013

ADDITIONAL EXPERIENCE

Researcher | Mitsui & Co. Strategic Studies Institute | June 2019 - November 2019

Specialized Political Affairs Officer | Embassy of Japan in Guatemala | February 2016 - February 2018