

# Arda Karaduman

Full-Stack Developer | AI Enthusiast

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## About Me

A Pragmatic Programmer living In Japan since 2004. I like programming, tinkering, hacking. Checking new languages, frameworks, trying new ideas.

**Spoken languages:** Turkish (Native), English (Near Native), Japanese (Business)

## Work Experience

### Systems Architect

January 2024 - Present

Veltra (Tokyo, Remote)

- General application and infrastructure architecture and planning
- Migration from monolithic PHP app to microservices architecture
- Develop and encourage policies for Logging, Security, Authentication/Authorization, Code Coverage, Linting
- Perform as bridge engineer between Overseas teams

### Senior Developer

February 2020 - December 2023

Gaussy (Tokyo, Remote)

- Back-end

development  
for Warex  
project (Golang)

- Manage  
backend  
development  
using Gorm,  
Echo, MySQL
- 3rd party  
service  
integration with  
Hubspot,  
Mailgun,  
Bugsnag
- Integration with  
Goose  
Migrations and  
Testify Suite
- Some frontend  
development  
using Vue.js  
(Admin site)
- Ruby on Rails,  
React  
development

March 2018 -  
February 2020

Robotfund  
(Tokyo, Hybrid)

- Fullstack  
development of  
LINE fund  
information  
platform 'LINE FUND'
- API  
development  
(Ruby on Rails)
- LINE API  
integration  
(Integrate with  
LINE Chat API)
- Reuters API  
integration  
(Daily fetching  
and processing)

## Senior Developer

of fund related data)

- Fullstack development of fund information platform Better World
- Backend/ Frontend development using Ruby on rails
- Reuters API integration
- Custom Golang service which compresses and caches audio
- Integrate with text-to-voice service
- Convert customer response to voice and cache so that text-to-voice service isnt used frequently
- Developed using Go, deployed using docker/AWS

December 2014 -  
March 2018

Allm Inc (Tokyo,  
Onsite)

- API / Backend development for content sharing and publishing platform (e.g., Kidint)

## Senior Development Engineer

- API development using Ruby On Rails
- AWS Integration (S3 assets, SNS notifications)
- Front End Development using Angular
- Social Media Integration and 3rd party login (Facebook, Google)
- Wifi based customer tracking platform for retail BI application (Followup)
- Standalone service development for IoT and peripherals (Go lang service on Raspberry Pi, BLE beacon integration)
- IoT massive deployment & peripheral management
- API development in Go
- API development for triage application JoinTriage
- API development

using Grape  
(Ruby)

- Front End development  
(Angular 1.x and Bootstrap)
- CI & CD  
(GitlabCI & Docker)
- AI Research for Healthcare
- Image classification & recognition  
using deep neural networks
- Data analysis and segmentation  
using machine learning

## Developer

June 2014 -  
November 2014

Aiming Inc  
(Tokyo, Onsite,  
Contract)

- API backend development  
for MMORPG '○○○○○○○○○○'  
○○○○○○○○○○'
- API development  
using Padrino framework  
(Ruby)
- Participating in an Agile development environment  
with tight deadlines
- Experience developing for a game with thousands of

daily active  
users

## Dev Ops

August 2012 - May  
2014

Kii Inc (Tokyo,  
Onsite)

- API usage tracking and logging (3scale, Varnish-Cache, fluentd)
- Payment Integration (via Zuora and Paypal)
- Cloud Code maintenance (node.js)
- Developer Portal development (Ruby on Rails, Backbone.js)
- Various automated tasks (reports, AWS resource tuning in Ruby/ Bash with puppet)

## Dev Ops

August 2011 - July  
2012

Mobilous Inc  
(Tokyo, Onsite)

- Lead DevOps/ CloudOps: Design and implement scalable EC2 cloud infrastructure with monitoring and auto-scaling. Admin dashboard

integration with  
RoR.

- Minor participation in Glassfish AppServer component (Java on Spring framework)
- Web page automation script with PHP/ Selenium

July 2021 - July  
2022

Ryde Inc (Tokyo,  
Remote - Part  
Time)

- Backend development for Ryde services (Mobile and Web) using Ruby on Rails, GraphQL
- Some frontend development (Admin site, Ruby on Rails, React)

July 2017 - July  
2020

Iron.io (US,  
Remote - Part  
Time)

- Support and maintenance of Open Source serverless platform, Iron Functions

**Education**

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## Contract Developer

## Contract Developer

**Master of Science**



2006 - 2008

Keio University

Obtained the Master's degree in Computer Science. Studied for Ph.D. between 2008-2011.

Research Area: Embedded Processor Design and Optimization.

- Selected Papers:
- 2011: Cache Implementation for Echo Instructions on an Embedded Processor (IPSJ Transactions on System LSI Design Methodology(TSLDM7))
- 2009: Code Compression with Split Echo Instructions (IEICE Transactions on Information and Systems)
- 2009: Design and Implementation of Echo Instructions for Embedded Processors (Embedded World Conference, Nuremberg Germany, 2009)

**Bachelor of Science**

2000 - 2004

Istanbul Bilgi

## Skills

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### Technical Skills

- Mainly proficient in Ruby and Go
- Debian & Emacs user. Very comfortable in unix environment on machines and writing bash scripts
- Extensive experience with EC2, S3, Dynamo, AWS resources. Hands on
  - Early

adoption  
of Continuous  
Integration  
and Continuous  
Deployment

- Experience with TDD, BDD, Agile and GitHub driven development

- Front-End development skill
- Experience with Node.js, Express, and MongoDB

- Lots of experience with React, Redux, and Vue.js
- Some experience with Node.js

- Node.js experience with legacy languages

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## Projects

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### Warex (Backend Development)

Golang, Gorm, Echo, MySQL, Hubspot, Mailgun, Bugsnag, Goose Migrations, Testify Suite

Backend development for the Warex project while at Gaussy.

### LINE Fund Information Platform 'LINE FUND'

Ruby on Rails, LINE API, Reuters API

Fullstack development of a fund information platform integrated with LINE, including API development and data fetching/processing from Reuters, at Robotfund.

### Fund Information Platform 'Better World'

Ruby on Rails, Reuters API

Fullstack development of a fund information platform with Reuters API integration, at Robotfund.

## Custom Audio Caching Service

Golang, Docker, AWS, Text-to-Voice Service Integration

Developed a Go-based service to compress, cache, and serve audio generated from text-to-voice, reducing API usage, at Robotfund.

## Content Sharing and Publishing Platform (e.g., Kidint)

Ruby On Rails, AWS (S3, SNS), Angular, Facebook API, Google API

API and backend development for a content sharing platform, including AWS integration and social media logins, at Allm Inc.

## Retail BI Customer Tracking Platform (Followup)

Go, Raspberry Pi, BLE Beacons

Developed a WiFi-based customer tracking platform for retail business intelligence, including IoT service development on Raspberry Pi and BLE beacon integration, at Allm Inc.

## Triage Application 'JoinTriage' (API)

Grape (Ruby), Angular 1.x, Bootstrap, GitlabCI, Docker

API and frontend development for a triage application, including CI/CD setup, at Allm Inc.

## AI Research for Healthcare

Deep Neural Networks, Machine Learning

Conducted AI research involving image classification/recognition and data analysis/segmentation for healthcare applications, at Allm Inc.

## MMORPG API Backend '□□□□□□□□'

Padrino (Ruby)

Developed the API backend for a popular mobile MMORPG, at Aiming Inc.

## Kii Cloud Developer Portal

Ruby on Rails, Backbone.js

Development of the developer portal for Kii Cloud, at Kii Inc.

## Iron Functions (Open Source Serverless Platform)

Go (implied, as it's a serverless platform often built with Go)

Provided support and maintenance for the Iron Functions open-source serverless platform, at Iron.io.

## Portfolio Website (This Project)

React, TypeScript, Vite, Tailwind CSS, Node.js, PDFKit

A multilingual, SSR-enabled portfolio website with dynamic PDF resume generation.

