



Arda Karaduman



Chofu, Tokyo

akaraduman@gmail.com
<https://arda.karaduman.web.t>
[r](#)

Born 15/04/1978
Permanent Resident of
Japan

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

SUMMARY

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

SKILLS

- Mainly proficient in Ruby and Go
- Debian & Emacs user. Very comfortable in unix environments and writing bash scripts
- Extensive knowledge of AWS resources. Hands on experience with EC2, S3, EMR, Dynamo, SES, IAM, Route53
- Early adopter of Continuous Integration and Continuous Deployment. Proficient in GitlabCI / Travis / Docker / Kubernetes / Ansible
- Experience with TDD, BDD, Agile and GitHub driven development
- Front End development experience with React, Vue, Angular and Bootstrap. Some Node.js experience
- Functional programming background
- Experience writing Legacy languages such as, Java, C, PHP
- Experience in designing and implementing Restful and GraphQL APIs for both Web and Mobile
- Some experience with Game development libraries such as Cocos2dx and Gosu
- Embedded applications development experience with Go & RaspberryPi
- Maintainer of Open Source serverless lambda functions framework [Iron Functions](#). [GitHub link](#)



EXPERIENCE

Software Developer, Mitsubishi/Warex Project

Tokyo — February 2020 - Present

Projects

- Backend/API development for Warex Warehouse Management & Automation Project
 - API development in Go lang. Stack includes Gorm, Echo, Logrus, Google Cloud Platform, MySQL, Redis, Kubernetes
 - <https://warex.ai/en>

Senior Developer, Robotfund

Tokyo — March 2018 - February 2020

Projects

- Fullstack development of LINE fund information platform “未来のコツ”
 - Stack includes Ruby on Rails, AWS, Postgres, LINE integration, Reuters/Refinitive API integration, React.js, ImageMagick image processing
 - <https://www.daiwasbi.co.jp/special/mirai/>
 - https://www.daiwasbi.co.jp/pdf/news/153/news_20180903.pdf
- Fullstack development of fund information platform Better World (discontinued)
 - Stack includes Ruby on Rails, AWS, Postgres, Reuters/Refinitive API integration, React.js

Contract Developer, Iron.io

July 2017 - July 2019

Roles

- Support and maintenance of Open Source serverless platform, [Iron Functions](#) (Go Lang)

Senior Development Engineer, Allm Inc

Tokyo — December 2014 - March 2018

Roles

- API / Backend development for content sharing and publishing platform (to see an example application which uses our platform, check [Kidint](#))
 - 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 which runs on raspberry pi, integration with BLE beacons)
 - IoT massive deployment & peripheral management
 - API development in Go
- API development for triage application [FastED](#)
 - 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, Aiming Inc

Tokyo — June 2014 - November 2014

Developing the API backend for a popular MMORPG for mobile systems. [幻塔戦記 グリフォン](#)

Roles

- API development using Padrino framework (Ruby)
- Participating in an Agile development environment within a dynamic team with tight deadlines for difficult problems/enhancements
- Experience developing for a hit game with thousands of daily active users and hundreds of thousands of total registered users

Dev Ops, Kii Inc

Tokyo — August 2012 - May 2014

Assumed various tasks to bring Kii Cloud up to spec with its competitors, (Parse, Kinvey, StackMob at the time). Kii Cloud is a multi region mBaas with

special focus on the Asian market.

Accomplishments

- 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 for high touch customers, special requests to tune AWS resources, etc. written in Ruby / Bash deployed with puppet)

Dev Ops, Mobilous Inc

Tokyo — August 2011 - July 2012

Assumed lead DevOps/CloudOps position in Mobilous. Mobilous is a indie venture set to create the easiest way to create Mobile apps with a web based drag and drop interface, and build and publish them in multiple app stores.

Accomplishments

- Design and implement flexible and scalable EC2 cloud infrastructure A complex structure where we can monitor health, service status, workload of our client instances, which is able to create new instances on demand and distribute workload by user request. Admin dashboard integration with RoR.
- Minor participation in Glassfish AppServer component, which is responsible for interfacing client PostGRES DB to user application. (Java on Spring framework)
- Some web page automation script with PHP/Selenium. (Automatic entry of some forms)

EDUCATION

Istanbul Bilgi University

Bachelor of Science — 2000-2004

Keio University

Master of Science — 2006-2008

Obtained the masters degree from Keio University in Computer Science in 2008.

Studied for Ph D in 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: *Embedded World Conference, Nuremberg Germany, 2009*
[Design and Implementation of Echo Instructions for Embedded Processors](#)