

Biguo Xin – Full stack engineer



I'm a self-motivated man who loves very much about programming.

I do always learn before I invent so that my colleagues don't have to deal with "genius" code.

Programming skills are like wands for wizards, they can help build many amazing things in a fantastic way.

But unlike magic, programming is about simplicity, readability.

And that's what I do, build awesome(hopefully) things with simple readable code.

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Education

Heilongjiang University Math Master 2010–2015

Experiences

1. Frontend engineer in HangbanGuanjia for 16 months.
 - A single page web application based on Mithril framework

Including routers, state management, session restore, complicated user-interactive components.

- Maintenance of the company's Gitlab and Gitlab CIs

Including docker related problems [debug](#), Gitlab upgrading, moving issues.

- Express & Node.js based backend for rendering pages and API rerouting

Including request tracing, request caching, javascript and CSS packing.

Supporting dynamic module loading from the browser, typescript transpile.

2. Backend engineer in YueRanXinDong 7 months ago till now.

- Express & Node.js based API server for Neon, Meetstar, and other Apps

Other than above, there is long async flow managing, composition with golang, python.

Interactive with DynamoDB with node.

Deploying with lambda, ELB, and containers.

- Gin & Golang based API server for a Tinder-like App

API routing with Gin.

Interactive with Postgres and DynamoDB, query and calculate GEO information with PostGIS.

Building and delivering golang applications automatically with Jenkins.

- Maintenance of AWS dynamoDB, RDS, Lambda, EC2, Kinesis etc.

Part-time projects

- [dynamo.cli \(https://github.com/FrontMage/dynamo.cli\)](https://github.com/FrontMage/dynamo.cli) query AWS dynamoDB with SQL in a prompt

Analysis and convert SQL to DynamoDB APIs.

Multiple query task and prompt integration with goroutines.

- [siteWarden \(https://github.com/FrontMage/siteWarden\)](https://github.com/FrontMage/siteWarden) monitor website changes with Chrome puppeteer and image diff algorithm (This one is currently deleted because there is a leak of password)

Logging in websites with Chrome puppeteer.

Sending an email with node-[mailer](#).

- [NSFW image rating \(http://120.78.173.99:4000/tryout\)](http://120.78.173.99:4000/tryout) a tensorflow and Yahoo's open-nsfw based nudity detection

Gather training set with crawlers.

Building model and training with Tensorflow.

Serving as HTTP API with flask and gunicorn.

Skills

- HTML/CSS/SCSS Layout and styling pack

Read and write HTML pages, CSS frameworks, solve issues with different browsers.

- Javascript in browsers

Working with built-in javascript API, MVC frameworks like React, Vue, Mithril etc.

Knows about web assembly, asm.js. Knows how to optimize javascript in browsers.

- Javascript in Node.js(Quite different)

Working with Express, KOA, and other HTTP routing frameworks.

Knows stream programming in node, async flow control, and event loops.

- Golang

Working with Gin, Beego and other HTTP routing frameworks.

Working with tui-go, go-prompt and other go command line application frameworks.

Knows internals of slice, goroutine, channel, and interface.

Knows how to debug goroutine leaks, channel deadlocks.

Knows how to test, profile, benchmark go programs.

Knows how to interact with databases both SQL and NoSQL with go.

- Rust(Bit rusty though)
- Python
- Reason

In case you wonder

I'm 26.