Erik **Dubbelboer**

SOFTWARE ARCHITECT · DEVOPS

From The Netherlands currently living in Kuala Lumpur, Malaysia

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Summary

I'm a developer currently living in **Kuala Lumpur**. I'm planning to move back to **Amsterdam** at the end of this year. Before that I can be available remotely and I'll be in Amsterdam from the 1st of July till the 15th of August.

The most important thing I'm looking for is something that is fun. I would like to work in a **small team** where I can influence things and have some freedom. I have experience leading teams but I prefer to write code over managing other people.

I prefer to work with **Golang, C or C++**. I prefer to do backend code and devops but I also have experience doing frontend code (just not design!).

In my spare time I got some minor experience with **OpenGL** trying to build my own game, low level things such as **assembly**, **BIOS**, **virtual memory**, **interrupts** writing my own **OS** and **VHDL** (hardware design) building my own **CPU**.

Skills

Programming	Go, C, C++, Python, Node.JS, Lua, PHP, Java, Solidity
Technologies	Nginx, MySQL, Git, Google Cloud, Redis, Kafka, RethinkDB, Druid, Aerospike, Lighttpd, Bittorrent
Languages	English, Dutch

Experience

Atomx.com
Kuala Lumpur, Malaysia

CTO AND FOUNDER — *Jan. 2015 - PRESENT*

- I designed and build most of the platform on Google Cloud.
- At it's peak Atomx was handling 4.5 billion requests per day (around 50.000 per second).
- All high throughput low latency systems written in Go.
- Using Kafka and Druid for realtime reporting.
- Other technologies used: Nginx, Aerospike, Redis, Rethinkdb and MySQL.
- Check https://www.atomx.com/ for more information.

Adperium B.V.
Utrecht, Netherlands

CTO AND FOUNDER — *Jun. 2009 - PRESENT*

- Adperium is an advertising network that works with big publishers (Alexa top-500 website) and premium advertisers.
- Check https://www.adperium.com/ for more information.

Mininova.org
Utrecht, Netherlands

PRESIDENT AND FOUNDER — *Jan. 2005 - Apr. 2017*

- I wrote a lot of the code and did a lot of optimizations.
- The website was written in PHP using MySQL as storage.
- At its peak Mininova was handling 30 million pageviews from 7 million unique visitors per day.
- The word 'mininova' ranked 9 on Google's list of most queried terms in 2006.
- On fabruary 18 2008 Alexa.com ranked mininova as 54th biggest website on the internet.

Education

Utrecht University
Utrecht, Netherlands

B.S. IN COMPUTER SCIENCE — *2002 - 2012*

- Took me way too long because I was more interested in other projects and businesses we were starting.

Projects and Open Source Contributions

A small sample of projects and open source contributions that I have made in the last couple of years.

Druid   *Java*
HTTPS://GITHUB.COM/DRUID-IO/DRUID/COMMITS?AUTHOR=ERIKDUBBELBOER   *2016 - PRESENT*
- I contributed many improvements to Druid, a high-performance, column-oriented, distributed data store.

phpRedisAdmin   *PHP*
HTTPS://GITHUB.COM/ERIKDUBBELBOER/PHPREDISADMIN   *2011 - PRESENT*
- A Simple web interface to manage Redis databases.

Discnt   *C*
HTTPS://GITHUB.COM/ERIKDUBBELBOER/DISCNT   *2015 - PRESENT*
- Distributed eventually consistent counters.
- We use this at atomx.com to sync campaign budgets in realtime between multiple datacenters around the world.

fasthttp   *Go*
HTTPS://GITHUB.COM/ERIKDUBBELBOER/FASTHTTP   *2017 - PRESENT*
- I maintain the only actively maintained fork of the popular fasthttp Go package.

nginx-http-auth-digest   *C*
HTTPS://GITHUB.COM/SAMIZDATCO/NGINX-HTTP-AUTH-DIGEST/GRAPHS/CONTRIBUTORS   *2016 - PRESENT*
- I maintain the nginx-http-auth-digest module which provides Digest authentication to Nginx.

redis-lua-scaling-bloom-filter   *Lua*
HTTPS://GITHUB.COM/ERIKDUBBELBOER/REDIS-LUA-SCALING-BLOOM-FILTER   *2012 - PRESENT*
- LUA Redis scripts for a scaling bloom filters.

OS Tutorial   *C/ASM*
HTTPS://GITHUB.COM/ERIKDUBBELBOER/OS-TUTORIAL   *2010*
- I wrote an example on how to use GRUB to boot a small operating system running in paged virtual memory.

Brainfuck JIT   *C*
HTTPS://BLOG.DUBBELBOER.COM/2012/11/18/BRAINFUCK-JIT.HTML   *2012*
- I wrote a JIT Brainfuck interpreter using GNU lightning.

libuv-lua-http-server   *C*
HTTPS://GITHUB.COM/ERIKDUBBELBOER/LIBUV-LUA-HTTP-SERVER   *2013*
- Simple example webserver using Libuv and LUA.

Golang   *Go*
HTTPS://GITHUB.COM/GOLANG/GO/COMMITS?AUTHOR=ERIKDUBBELBOER   *2015 - 2017*
- Minor speed improvement and fixes for the Go programming language.

ffjson   *Go*
HTTPS://GITHUB.COM/PQUERNA/FFJSON/COMMITS?AUTHOR=ERIKDUBBELBOER   *2016 - 2017*
- Bug fix and additional features for ffjson, the fast JSON serialization for Go.