

Resume: Daniel Owen van Dommelen

- I like working in smaller teams with big ideas.
- My two favorite languages to work in are Go and Ruby.
- I believe if things are not easy, they are not finished.

Before Considering My Application

I work 100% remote only, and am not able to come to an office under any circumstance. Given a recent experience, I would prefer not to be considered if this is in any way an issue or point of doubt. Personally I have experienced only benefits in concentration and amount of hours per day in working capacity (easily doubled), however this is not my "reason". I keep myself highly available at all times during working hours and will respond in most cases directly to a contact over chat, video or audio call, or any other communication tooling (I do sometimes walk the dog).

Work Experience

Rocsys : Tech Lead

REMOTE: AUG 2021 - JAN 2022 (Available from December) DOMAIN: EV Charging Robots

Responsible for: designing/architecting, development, and documenting a full stack (backend, frontend, and infrastructure), following a micro-service based pattern.

Technologies: Bare-metal servers (6), Azure AKS, AWS EC2, TransIP VPS, AWS S3, MinIO, Go, Python, React, GitOps, Kubernetes (Lokomotive on Flatcar Linux), Docker, Balena, ArgoCD, Argo Workflows, Argo Events, Argo Rollouts, Prometheus, Grafana (including writing 7 custom plugins in React), Elasticsearch, Kibana, Journalbeat, IoT, WebSockets, Istio, Keycloak, Vault, OpenEBS, MetalLB, Weave Net.

Bit8 : Team Lead (2nd Time)

REMOTE: DEC 2020 - MAY 2021 DOMAIN: Online Gaming

Responsible for: team/process management (scrum), working towards delivery of 3 of the biggest European lotteries, while also doing development and performance investigations and improvements to database and server setups, interviewing, hiring, and training new candidates, writing some custom development tooling in Go.

Technologies: Docker Swarm, Docker, Hyper-V, Windows Server 2016, CentOS, C#, .Net Core, .Net 4.7.1, Php 5.40.6, Go, MySQL 8.0.11, Redis, Yii 1.1, Javascript, IIS 6.0, Traefik, Gitlab Pipelines.

Orbisk (Zero Foodwaste) : Backend Developer

Reference available (no letter, but phonenumber can be provided)

UTRECHT: OCT 2019 - OCT 2020 DOMAIN: IoT Device for Food Waste Monitoring

Responsible for: introducing Go into the company, writing backend and cloud related api gateway and serverless functions, some minor frontend work, various work on food monitor (IoT hardware device), including camera and video stream improvements.

Technologies: Docker, GCP, Balena, Go, Python, Vue, Arduino, Raspberry Pi, Big Query, Postgres, Firestore, Dataflow, MMAL, IoT, Bitbucket Pipelines.

Quik Tech Ltd. : Backend Developer

MALTA: NOV 2018 - JUL 2019 DOMAIN: Lottery Games with Hardware Component and Live Video Streaming Layer

Responsible for: starting development on the backend as micro-services, some minor frontend work, some minor machine learning work, developing a video monitoring tool to observe hardware (IoT) lottery machines, research and development of video streams with reduced latency (using WebSockets), assisting during candidate interviews.

Technologies: AWS, Docker, RabbitMQ, Go, Vue, WebSockets, Pusher, MySQL, OpenCV, Tensorflow, Python, Convolutional Neural Networks.

Bit8 : Team Lead (1st Time)

MALTA: APR 2018 - OCT 2018 DOMAIN: Online Gaming

Responsible for: restructuring and managing team/process (scrum), working towards delivery of "player selections" rewrite, while also doing development and performance investigations and improvements to speed up 14.000+ integration test suite, playing a role in "continuous improvement" and "platform evolution", mentoring team member on performance improvement plan, doing performance reviews, interviewing and hiring new candidates, writing experimental implementations using Web Components.

Technologies: Docker, Hyper-V, Windows Server 2016, CentOS, C#, .Net 4.7.1, Php 5.40.6, MySQL 5.6, Redis, Yii 1.1, Javascript, IIS 6.0, SQLite, Bamboo Pipelines, Web Components.

QuickBed : CTO

Reference letter available

PARIS: OCT 2016 - MAR 2018 DOMAIN: Refugee Accomodation

Responsible for: architecting the full stack (backend, frontend, hosting), and starting development, overseeing collaborations, mentoring at Techfugees hackathons, writing various extra applications and tools, developing multiple (NLP oriented) machine learning models, interviewing, hiring, and training new candidates.

Technologies: Heroku, Ruby, Ruby on Rails, Postgres, MongoDB, Javascript, Google Maps, Python, Machine Learning (NLP), PyTorch, Tensorflow, Sequence to Sequence Networks, Machine Translation.

Create50 : Full Stack Developer

Reference letter available

LONDON: DEC 2014 - OCT 2016 DOMAIN: Online Screenwriting and Filmmaking Competitions

Responsible for: architecting the full stack (backend, frontend, hosting), and starting development, writing various extra applications and tools.

Technologies: Heroku, Jellastic, Ruby, Ruby on Rails, Postgres, MongoDB, Javascript, Google Maps, Python, Machine Learning (NLP), PyTorch, Tensorflow.

Gigit : CTO

LOS ANGELES: APR 2013 - OCT 2013 DOMAIN: Private Music Events

Responsible for: architecting the full stack (backend, frontend, hosting), and starting development, overseeing collaborations, writing various extra applications and tools, developing multiple (NLP oriented) machine learning models, interviewing, hiring, and training new candidates.

Technologies: Heroku, Ruby, Ruby on Rails, Postgres, MongoDB, Javascript, BackboneJS.

Livestation : Full Stack Developer

LONDON: SEP 2011 - MAR 2013 DOMAIN: Live News Streaming

Responsible for: introducing scrum, acting as scrum master, collaborating on the full stack (backend, frontend, hosting), and starting development, writing Samsung Smart TV application, writing various extra applications and tools, developing experimental video-based machine learning model, interviewing, hiring, and training new candidates.

Technologies: Heroku, Ruby, Ruby on Rails, Postgres, OpenCV, Javascript, Samsung Smart TV SDK, Tesseract, Optical Character Recognition, Flash, Custom Video Muxing, Multi Bitrate Streams.

Smartdate : Full Stack Developer

PARIS: APR 2011 - AUG 2011 DOMAIN: Online Dating

Responsible for: introducing scrum, acting as scrum master, collaborating on the full stack (backend, frontend, hosting), jenkins pipelines, integrating with payment gateways, developing complex A/B testing system.

Technologies: Heroku, Ruby, Ruby on Rails, Postgres, Javascript, Payment Gateways.

Ixly : Full Stack Developer

ZEIST: OCT 2010 - APR 2011 DOMAIN: Psychological Testing and Human Resources

Responsible for: designing, architecting, and developing backend and frontend services, working together with machine learning expert to integrate mathematical models in (Ruby) code, custom automated report builders with various export formats (csv, excell, pdf, etc.).

Technologies: Ruby on Rails, Postgres, Javascript, Machine Learning.

Victor Chandler International : Full Stack Developer

GIBRALTAR: APR 2010 - OCT 2010 DOMAIN: Online Gaming

Responsible for: general development on backend and frontend, working close with QA department, rewriting all Prototype based javascript to jQuery and removing unneeded includes, while optimizing the required ones, participating in early attempt at platform rewrite.

Technologies: Ruby on Rails, Postgres, Javascript (Prototype, jQuery), External APIs.

SellaBand : CTO

AMSTERDAM: APR 2009 - APR 2010 DOMAIN: Crowd-Funding

Responsible for: implementing new design in hybrid ruby (no Rails)/Php monolith, advising management on technology, performed entire platform rewrite (with team), interviewing, hiring, and training new candidates, overseeing company forum and interacting regularly with users, writing and executing (full) database migration script from old to new system, rolling out and setting up automated deployment of rewritten platform on CentOS.

Technologies: Ruby on Rails, Postgres, Javascript (jQuery), Payment Gateway, Php, CentOS, Passenger, Capistrano.

Noxa : Full Stack Developer

HOOFFDORP: DEC 2006 - DEC 2008 DOMAIN: Staffing, Career Development, and Human Resources

Responsible for: learning Ruby on Rails, rewriting various user driven websites from C#. .Net, to Ruby on Rails, writing (full) database migration script, developing various smaller web applications, performing deployments to production, collaborate on advanced backoffice system to manage all web applications and sites from central location, working on a planning tool for employees working in shifts.

Technologies: Ruby on Rails, Postgres, Javascript (jQuery), CentOS, Passenger, Capistrano.

ADDITIONAL HISTORICAL WORK-EXPERIENCE DATING BACK TO 1998 AVAILABLE ON REQUEST

Active Projects

My Resume

[Project Link](#)

Technologies: This resume (you are reading) is built with a Docker container when updates are pushed to a Git repository. It uses PanDoc to convert the Markdown files to PDF.

Wrkspc

[Project Link](#)

Technologies: It dynamically downloads (Docker) container images that wrap the terminal command you try to use. It requires only one binary, which has both the Docker and Kubernetes source code linked as a package, can deploy clusters (both local and remote), or connect to existing clusters, to run the containers, or just use ContainerD locally (also built in).

SPDG

- [Interface](#) Secure Private Data Grams (older version)
- [Implementation](#) example using MySQL binlog as an event source (older version).

Technologies: An experimental type written in Go (though concept could exist in any language) that acts as a wrapper around any other data type. Encodable via Gob encoders, more efficient (over WebSockets) than gRPC and much more flexible, recently had some real-world validation as used in the Rocsys system.

Languages

In order of favoritism (leaving out the ones I can't remember at the moment):

- Go
- Ruby
- Erlang
- Python
- Fortran
- Basic
- Rust
- Php
- Perl
- Javascript
- C
- Delphi
- React
- Vue
- Web Components
- C++
- C#
- PL/SQL
- Foxpro

I have also implemented some of my own basic languages, mostly based on stack or register virtual machine designs. These have never become very mature, and are just a hobby project.