Curriculum vitae

Sylvain COMBRAQUE
Github: darkweak
64 rue de Sèvres
92100 Boulogne-Billancourt (FRANCE)
Né le 01/11/1997
Mail: sylvaincombraque@hotmail.fr
Permis B + véhicule

Professional experiences

2/10/19 - Today
Go / ReactJS architect at VINVIN CORP, 75000 PARIS
Audits, developments, coaching, tech expert. Servers management, monitoring and clusters setup.

BNP: Work on a kind of marketplace where internal can chose the IT services they want (a k8s cluster, database or whatever) with an API written in golang and a frontend written using ReactJS and Typescript. Postgres as database with a redis cluster for some caching compute and keep in-memory some stuff and real-time notifications setup. Docker-compose stack for dev and kubernetes in production servers.

Electra: Transitioning a Rails monolith to Go. Implementing the OCPI specification. Using NATS for the queueing system, gqlgen for generating structures for the GraphQL API, and oapi-codegen coupled with TSP for generating endpoints. Unit testing validating race conditions, mutation testing (gremlins), and opentracing with open-telemetry. Using Docker Compose locally, k8s on staging/production servers, and PostgreSQL for data storage. Technical lead for the Go component and managing a team of seven developers.

Numspot: Development of an SNC-certified IAM as a Service (secnumcloud) enabling granular authorization by person, entity or group. API written in Go (Gin middleware backed by Krakend), integration tests with K6, unit tests validating race-conditions, mutation testing (gremlins), opentracing with open-telemetry. Used Ory for iam, docker compose for dev, k8s on int/prod servers, postgresql for data storage.

Platform.sh: Work on their HTTP caching based on the Souin open-source project and help them to improve the performance of their infrastructure. Used gatling and vegeta to benchmark the HTTP cache performances, setup a CI/CD to run unit tests, E2E tests and ensure a minimal code coverage ratio.

Proarmy: Developed a script to scrap and index competitors prices, discounts using go-colly, and a platform to view the increased/decreased prices using a plain app with twig as render engine. Setup grafana + prometheus to monitor the application health.

Redbull: Setup the infrastructure to support an online Redbull event with 100k+ customers. It had to ensure the scalability and have the different services to discuss together. Used ansible to deploy the full applications stack, every applications was dockerized and used some tools to stress-test the infrastructure on a kubernetes cluster.

4/11/22 - 8/19/22
Go consultant at Klanik, 75000 PARIS
OVHCloud mission, I created some Golang APIs, fix perl production bugs. I used Gin and Echo as http servers, setup the CI/CD to ensure the project delivery.

10/4/21 - 4/8/22
Go architect at Actirise / Bricks, 59000 LILLE
Alternative Google Ads solution to connect to DSP liek Bidswitch or Xandr. I used Clickhouse to store the data, the solution was written in Golang, setup the CI/CD.

7/2/18 - 10/1/21
Full-stack developer at Les-Tilleuls.coop, 59000 LILLE

Symfony, ReactJS and API Platform developer. I went at many clients from retail, or other subjects (Suez, alicesgarden, Leroy Merlin).

<u>8/7/17 - 9/1/17</u>
Bank maintenance technician at Société Générale, 51100 REIMS

<u>6/26/17 - 8/5/17</u>
Retail butcher at E.Leclerc, 08400 VOUZIERS

<u>7/4/16 - 7/22/16</u>
Camp leader at Centre aéré, 08130 SAINT-ETIENNE-À-ARNES

Diplomas

<u>9/3/15 - 7/4/18</u>
DUT INFORMATIQUE at IUT REIMS, 51100 REIMS

<u>9/3/12 - 7/1/15</u>
BAC S at LYCÉE THOMAS MASARYK, 08400 VOUZIERS

Talks

<u>11/07/2023 - Valbonne</u>
What's next in the HTTP caching world

<u>30/03/2023 - London</u>
What's next in the HTTP caching world

<u>17/12/2022 - Mons</u>
What's next in the HTTP caching world

<u>17/12/2022 - Mons</u>
How I Made a Powerful Caching System Using Go

<u>13/10/2022 - Clermont-Ferrand</u>
How I Made a Powerful Caching System Using Go

<u>05/09/2022 - Hamburgh</u>
How I Made a Powerful Caching System Using Go

<u>24/03/2022 - Montpellier</u>
Du cache pour vos applications ; oui et sans Varnish

<u>10/03/2022 - Bordeaux</u>
Du cache pour vos applications ; oui et sans Varnish

<u>09/11/2021 - Strasbourg</u>
Du cache pour vos applications ; oui et sans Varnish

<u>24/06/2021 - London</u>
Go learning by project: Souin (rex)

<u>18/06/2021 - Nantes</u>
How I Made a Powerful Caching System Using Go

20/04/2021 - Tokyo
How I Made a Powerful Caching System Using Go

16/04/2021 - Palo Alto
How I Made a Powerful Caching System Using Go and Ristretto

10/04/2021 - Bengaluru
How I Made a Powerful Caching System Using Go

30/03/2021 - Boston
How I Made a Powerful Caching System Using Go

11/01/2021 - Tours
Apprentissage de Go par un projet Souin

18/11/2020 - Lille
Ton API plus rapide qu'Usain Bolt sans trop d'efforts

01/10/2020 - Nantes
Golang learning by project Souin

09/07/2020 - Reims
ReactJS, bien débuter

04/02/2020 - Montpellier
Træfik : la routourne a tourné pour Apache & Nginx

27/01/2020 - Lille
ReactJs, bien débuter

25/10/2019 - Paris
Gérez le Traefik de vos services

24/10/2019 - Lyon
Moving to Microservice Architecture Using Traefik, for Fast and Low Risk Deployment and Iteration

30/07/2019 - Rouen
Comment empêcher Jean-Kévin du 62 de hacker votre application

22/01/2019 - Lille
Gérez vos microservices avec Traefik

20/12/2018 - Reims
Gérez vos microservices avec Traefik