

*Senior Software Engineer & SRE with 20+ years building large-scale, highly available systems
Deep expertise across multi-cloud Kubernetes, observability, and security
Passionate about open source, systems programming & continuous learning*

Skills

Languages **Golang, Rust**, Zig, Python, C/C++, Java, PHP/Symfony, Javascript, SQL
Envs **GNU/Linux (Centos, Debian...)**, **Kubernetes**, AWS, Azure, GCE, Alibaba
Storage **PostgreSQL**, MySQL, Cassandra/ScyllaDB, Elasticsearch, Kafka, Rabbitmq, Redis
Tools **Git, Terraform**, Helm, Ansible, Chef, **Github Actions**, Jenkins, Packer, Docker

Experience

Oct 2024 **Technical Team Lead**, *Custocy*, Full-remote

Jan 2026 Collaborating in a 12-member technical team to deliver impactful security solutions:

- Optimized reliability of the network listening probes deployed in customer environments
 - Led major product upgrade (involving frontend, backend, and probes) without downtime
 - Introduced observability practices in the team (developers and infrastructure) to minimize MTTR
 - Revamped global security of the solution by preparing the ANSSI CSPN process
 - Remained hands-on: developed probe improvements (C) and backend tooling (Python & Golang)
- Env: **AWS** (EC2, S3, SageMaker, ...), **Golang**, Python, C, Terraform, GitOps, Github Actions, Prometheus

Sep 2023 **Independent / Personal Projects**, *Self-directed*, Full-remote

- Sep 2024
- Active offensive and defensive security watch; Challenges and CTFs (e.g.: 1st place DG'h4ck 2023)
 - Personal open-source projects, mostly in Golang, Rust & Zig; Worked on compilers, homelab, etc.

Apr 2022 **Principal Site Reliability Engineer**, *Aviatrix*, Full-remote

Aug 2023 In the newly created SRE team, responsible for deploying and maintaining the infrastructure:

- Designed & deployed observability stacks (kube-prometheus-stack, fluentd, and opensearch)
- Bootstrapped authn/authz stack with Okta/dex-idp/oauth2-proxy and IAM on EKS
- Wrote infrastructure components, solving end-users use-cases (eg: K8s operator, S3 sync services)
- Industrialized multiple existing or new company/opensource services to fit in Kubernetes

Env: **AWS** (EKS, EC2, S3, RDS...), **Kubernetes**, **Golang**, Terraform, GitOps, Github Actions, Prometheus

Apr 2020 **Senior Site Reliability Engineer**, *Criteo*, Full-remote

Mar 2022 In the Observability team, focused on metrics, logs & tracing:

- Improvement of metrics clusters (biggraphite & Prometheus with VictoriaMetrics)
2.5M metrics/sec, 250 M unique metrics, 300 servers for graphite stack, 1000 prometheus over 8 DCs
- Redesigned logs pipeline ingestion, adding filtering & routing features (1.5M logs/sec)
- Worked on SDKs development (Java/Scala, C#, Python) and multiple POCs for customers demands
- Cleaned up tech debt upgrading & migrating obsolete components in several SRE teams
- Security team contribution: OpenVAS and osquery maintenance and patching, log analysis

Env: **Prometheus**, VictoriaMetrics, **Grafana**, ElasticSearch, Cassandra, **Python**, **Golang**, Chef

- Mar 2015 **Senior Software Engineer**, *Qualys*, Paris
- Mar 2020 In the Malware Protection then Web Application Firewall teams, design & development of:
- WAF - Maintenance on Web Application Firewall appliance software & team build tools. Development on Haproxy, analysis engine, agent ; Creation of AWS, GCE, Azure cloud images
 - MPF - A malware storage & analysis platform to provide tools for Malware Analysis team & UI teams Composed of an UI and micro-services ; Volume : 160M samples/year, 1M analyzes/day
 - DIP - A docker based platform designed to allow dev, QA & OPS teams to run company's softwares
- Env: **C/C++**, Python, **PHP/Symfony**, PostgreSQL, **Docker**, AWS, Azure, GCE, Kubernetes
- Oct 2012 **Senior Software Engineer**, *Allmyapps*, Paris
- Feb 2015 In a 10 people startup, reporting to the co-founder/product manager:
- Leading technical team (3 developers - 2 on front web, 1 on desktop client, 1 tester)
 - Writing new code & bug-fixing stuff on API, admin & backend systems
 - Responsible for development and production infrastructures: Architecture, migration to AWS;
 - Platform optimization (+300 req/sec; 2.5M monthly active users);
- Env: **PHP**, Python, **Golang**, **PostgreSQL**, Redis, **Rabbitmq**, **Elasticsearch**, **AWS**, Ubuntu
- Mar 2009 **Software Engineer**, *Scan & Target*, Paris
- Oct 2012 Leading company's software projects, in a 7 people team:
- Development on all company software (core, moderation tools, client libraries)
 - Design & development of a complete social network's UGC curation
 - Optimization of existing company's SaaS software (over 100x)
 - Development of C, C++, C#, Java, Python, Ruby SDKs and multiple POCs
- Env: PHP/Symfony, Java, C++, Python, PostgreSQL, Hadoop, HBase, Thrift, Redis, Centos
- 2002 **Software Engineer**, *EADS Astrium · CS-SI · Plug-It*, Toulouse / Amiens
- 2009 Aerospace and embedded software roles: satellite telemetry and 3D modelling tools (EADS Astrium), SPOT4/5/Helios2 control center maintenance (CS-SI), web development internship (Plug-It).
Env: C++, Ada, Qt, PHP, HP/UX, Linux

Education

- 2005 **Master**, *Université Paul Sabatier*, Toulouse, France
Computer systems engineering
- 2001 **DUT**, *Université Picardie Jules Verne*, Amiens, France
Computer & network engineering