

*Site Reliability Engineer with 20 years of experience.
Strong background on large-scale projects
Always keen to discover, experiment & apply new techs*

Skills

Languages **Golang, Rust**, 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**, Ansible, Chef, **Github Actions**, Jenkins, Packer, Docker

Experience

- Nov 2024 **Technical Team Lead, Custocy**, Full-remote
Now Collaborating in a 12-member technical team to deliver impactful 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
Env : **AWS** (EC2, IAM, S3...), **Golang**, Python, C, Terraform, Github Actions, Prometheus
- Apr 2022 **Staff Site Reliability Engineer, Aviatrix**, Full-remote
Aug 2023 In the newly created SRE team, I was 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, IAM, S3, RDS...), **Kubernetes**, **Golang**, Terraform, Github Actions, Prometheus
- Mar 2020 **Senior Site Reliability Engineer, Criteo**, Full-remote
Mar 2022 In the Observability team, handling metrics, logs & tracing, mainly maintenance of following :
— 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
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, acting as CTO :
— 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
- Jan 2008 **Software Engineer**, *CS-SI*, Toulouse
- Mar 2009 Software engineer for the mission/orbital station-keeping center of SPOT4/SPOT5/Helios satellites :
— Maintenance on control center softwares (200k ADA/HOOD loc, 1M C++ loc)
— In charge of development environment for the maintenance team
Env : Ada, **C/C++**, Visual C++ ; HP/UX, Linux, Windows 2000 ; Subversion ; ISO9001-2000
- Oct 2004 **Software Engineer**, *EADS Astrium*, Toulouse
- Jan 2008 Software engineer in the Model, Tools & System team :
— Design, development and validation of analysis and computation tools
— Validation of a complete 3D modelisation and computation software suite (Systema)
— Specifications and development of backoffice tool to manage software licences
Env : **C/C++**, QT, PHP ; Apache, Mysql, Solaris/Linux/Windows, Clearcase, ISO9001-2000
- Mar 2002 **Software Developer**, *Plug-It/Neuronnexion*, Amiens
- Jun 2003 Completed this role as part of my university curriculum followed by fixed-term contracts
— Intranet (contacts, planning, mails) & Internet (e-commerce) website development
— Company's server installation & maintenance (web, mail, DNS...)
Env : PHP, MySQL, Apache, Redhat Linux

Education

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

Hobbies and Interests

- Security challenges/CTF hobbyist ; Top 100 on root-me.org ; Finished 1st at DG'h4ck 2023
- Passionate about exploring new technologies, particularly in the Open Source and startups
- Self learning on Coursera & Udacity (Ex : Android, machine learning, Crypto, Web dev...)