



# Samy CHBINOU

DevOps Workflow Engineer

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<https://chbinousamy.github.io/resume/resume.pdf>

English, Italian, French

## BACKGROUND

### ABOUT

Neutral and Independant, Telco & Software engineering education, with many years in Software Development Life Cycle I write workflows & pipelines to Continuously Explore, Build, Test & Deliver Software Packages.

### WORK EXPERIENCE

#### Continuous Integration Engineer, GitHub, Antibes 06

Nov, 2021 - Present

I add github workflows to position myself in solid structures that help me to move forward.

- Add Continuous Integrations workflows to Build and Test packages
- Build and Deploy Docker Containers

#### DevOps, NAVYA, La Défense 92

Sep, 2021 - Oct, 2021 1 month

NAVYA Drive delivers autonomous driving. In a Agile team of 5 persons I added Gitlab pipelines automation for Continuous Integration Tests. I also setup some Gitlab runners to handle load CI tests. Directly installed on Bare Metal and on some VMs, Virtualbox and AWS

- Continuous Integration GitLab pipelines on self hosted runners
- Build Docker Python Containers
- Build Virtual Machines MaaS images

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### IA Engineer, VALEO, Créteil 94

May, 2021 - Jul, 2021 1 month

Valeo, In the transversal GEEDS entity, I assist in relocation of the R&D Datacenter from Paris to Créteil.

- Buildx Nvidia python Docker Containers
- Assistance in relocating a Datacenter from Paris to Creteil

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### Cloud Native Engineer, Nokia Bell Labs, Nozay 78

Oct, 2014 - Dec, 2020 6 years 2 months

Nokia Bell Labs, Cloud RAN Entity, Cloud for Radio Access Networks which interconnects UE radio devices such as Phones, IoT, Automotive, Virtual Reality User Equipments. I worked as freelance in a 'StartUp Garage'. I setup a On-Premis, PaaS context to make some tests on different types of Cloud Native 5G technologies: storage databases, ethernet over fiber, docker containers and kubernetes clusters, Machine Learning DevOps pipelines

- Wrote Statement Of Work definitions with scope of work, project objectives, task schedules and deliverables
- Benchmarking CPU Offloading on Nvidia GPU, Xilinx FPGA, Ethernet over Optical Fiber (RDMA)
- Java Kafka pipelines & NodeJS Express websockets
- N-Tiers Microservices Architectures: Docker, NoSQL Databases, Kubernetes, Cloud Native Serverless
- Machine learning and Neural Networks Data engineering

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### Career Break,

Apr, 2013 - Oct, 2014 1 year 5 months

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### Software Test Engineer, Ercom Mobipass®, Vélizy 78

Dec, 2006 - Apr, 2013 6 years 3 months

Ercom, Mobipass®, I developed the Mobipass® project with a 5-100 person Télécom team to make it a recognized working software product. Mobipass® is a lab-based emulation product capable of precise reproduction of the behaviors of thousands of devices with mixed traffic calls and RF conditions experienced on a real network. Its easy-to-use GUI, advanced multi-UE channel emulator, integrated QoS and QoE test features and rich KPI capabilities make it a strong test and measurement addition for mobile network operators deploying advanced broadband networks. As Software engineer, I developed the GUI, User Interface in .NET C# language and did many tests on the TCP/IP Network.

- Processing Network Datagram Blocks: Cut & Reassemble, Encode & Decode
- Object Oriented Programming to Design and Develop the UI in C#.NET
- Night Builds, Continuous Integration and Validation Tests

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## SKILLS

### Object Programming Languages

C/C++

C# .NET

Java

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### Scripting Languages

Shell

YAML

JavaScript

Python

Database Languages

- SQL
- NoSQL, Key Value Store

Networking & Streaming

- TCP/IP
- websocket
- MQTT
- CAN

DevOps

- Github CI/CD Actions
- Gitlab CI/CD Pipelines
- Build Artifacts
- Docker Containers
- Kubernetes Pods
- Helm

MLOps

- Google Colab
- Google Storage
- Tensorflow
- ONNX
- OpenVino
- Nvidia
- Kubeflow

Target Processors

- Linux Intel & ARM
- MacOS Intel & M1
- Cross-Compilers

EDUCATION

Digital Communication Systems & Technology, MSc. Engineer, CHALMERS - Göteborg, SWEDEN

Sep, 1996 - Sep, 1997

Telecom and Software Engineering, Engineer, IMT Atlantique (ex Télécom Bretagne)

Sep, 1994 - Jun, 1996

INTERESTS

Open Source

Model Making

DIY

Photography

