



# Samy CHBINOU

DevOps Build Workflow Engineer

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

English, Italian, French

## BACKGROUND

### ABOUT

51 years old, Telecom & Software engineering education, I worked in software industry on real time embedded applications for mobile phones, IP multimedia set top boxes. Moreover, lately, I worked in setup Cloud Native infrastructure platforms for software development toolchains, (today called DevOps) for Build and CI/CD Workflows and Data processing in Docker containerization. Moreover I followed young people who want to assert themselves in theses digital working fields.

### WORK EXPERIENCE

#### **Career Break, Relocation, Antibes 06**

Oct, 2021 - Present

#### **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

- CI pipelines on Gitlab self hosted runners
- Docker Buildx Python Containers

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### Artificial Intelligence 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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### Platform 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

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### Object Programming Languages

C/C++

C# .NET

Java

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### Scripting Languages

Shell

YAML

JavaScript

Python

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### Database Languages

SQL

NoSQL, Key Value Store

## Networking & Streaming

tcp/ip

websocket

kafka

## 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

## Processors Architecture

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

