

François Bertet

SENIOR BACKEND ENGINEER

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Education

EPITA · Engineering School in Computer Science

Kremlin Bicêtre, France

TOP OF GISTRE - EMBEDDED AND REAL-TIME SYSTEMS SPECIALIZATION

2012 - 2017

- Study semester abroad in Ireland at Griffith College Dublin.

Skills

DevOps	AWS, Docker, Kubernetes, Terraform, SaltStack, Packer, Gitlab
Programming	Python, Java, C, C++, Lua, OCaml, LaTeX
Database	PostgreSQL / MySQL, DynamoDB, ElasticSearch
Concepts	GitOPS, Agile Scrum & SAFe
Languages	French, English

Work Experience

Qorvo

@Home / Paris, France

SENIOR BACKEND ENGINEER

2020 - Today · 3 years

- Conception and implementation of optimized and parallelized CI/CD pipelines on Gitlab.
- Configuration of replicable hardware servers for QA Team using SaltStack and Docker among other tools.
- Automation of Product Team release process and its integration to CI/CD pipelines.
- Development of custom tools/bots using Python and Docker to assist / check developers' work.
- Deployment of a mixed CI/CD infrastructure composed of Bare-metal, AWS EKS and AWS EC2.
Goal: Conciliate specific needs, scalability and optimized costs.
- Implementation of several RESTful APIs in Python Flask and its deployment in the serverless AWS Lambda functions.
- Creation of tools to ensure compliance of our users' personal data management with GDPR european regulation.

Sevenhugs

Montrouge, France

EMBEDDED SOFTWARE ENGINEER

2017 - 2020 · 2.5 years

- Development of integrations (Connected objects and services) for the *Smart Remote*, Sevenhugs universal remote.
- Conception and development of the SDK allowing the development of these integrations.
- Implementation of system features (Scenes, Custom UI, etc) and of the Smart Remote's RESTful API.

Happn

Paris, France

DATA ENGINEER INTERN

2015 - 2016 · 5 months

- Implementation of a distributed ETL in Python that transforms and gathers data from various sources to Google BigQuery.
- Making of product, acquisition and business analysis.
- Creation of dashboards using Tableau Desktop for other teams' usage.

3IE · Innovation Institute of EPITA

Kremlin Bicêtre, France

ANDROID DEVELOPER

2014 - 2015 · 6 months

- Development of mobile applications, for example SportBooking for ForestHill clubs.

Personal Projects

HOMELAB

2021 - Today

Kubernetes cluster composed of 8 Raspberry Pi, NAS and pfSense router, enclosed in four 3D printed mini Racks.

Hosting of services like *arr suite, Plex, Home Assistant, PiHole, etc

TECHNOLOGIES: SALTSTACK, KUBERNETES (K3S), TRUENAS, LONGHORN, PFSense, CONCEPTION & IMPRESSION 3D

Domo

2019 - Today

Automation of my home using Home Assistant, an open source solution without Cloud dependencies.

TECHNOLOGIES: HOME ASSISTANT, DOCKER, CAPTEURS ZIGBEE, ESPHOME, MICROCONTRÔLEURS ESP32, IMPRESSION 3D

Points of Interest

Hobbies Climbing, 3D Printing, Development, Video games