François **Bertet**

SENIOR DEVOPS 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 Grifith College Dublin.

Skills

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

Work Experience

Qorvo   *@Home / Paris, France*

SENIOR BACKEND ENGINEER / DEVOPS   *2020 - 2024 · 4.5 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 3 N100 Mini computers, a homemade NAS and a pfSense router, enclosed in four 3D printed mini Racks.

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

TECHNOLOGIES: OPENTOFU, PROXMOX, KUBERNETES (TALOS LINUX), DOCKER, ANSIBLE, TRUENAS, PFSENSE, 3D PRINTING

DOMO   *2019 - Today*

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

TECHNOLOGIES: HOME ASSISTANT, ZIGBEE SENSORS, ESPHOME, ESP32 MICROCONTROLLERS, 3D PRINTING

Points of Interest

Hobbies   Bodybuilding/Calisthenics, Climbing, 3D Printing, Home automation, Development, Video games