

SOFTWARE ENGINEER

Profile

Full stack software engineer with 8 years of experience in development, automatization, cloud computing, DevOps processes and system scalability

Experience

Software engineer / Entrepreneur, Jitaku/Yizi, Paris — 2020-present

- Design and implement educational *mobile applications* specialized for Chinese and Japanese handwriting based on Space Repetition System and *machine learning*

Website : jitakuapp.com and yizi.app

- Maintain and operate servers hosting websites, backends, and chatbots

Technology used: Swift, SQLite, Python, JavaScript, HTML, Docker

Software engineer, Amadeus, Sophia Antipolis — 2015-2020

Workflow Automation (2017- 2020)

- Designed and implemented a *workflow orchestration* engine based on Conductor (library from Netflix) to streamline internal processes

- Operated and performed maintenance of *Control-M* servers used for *job scheduling*

Technology used: Java, Kotlin, Redis, Oracle, Openshift, Control-M, Ansible

Configuration Platform (2015 - 2017)

- Designed and implemented a platform to handle configuration of Amadeus applications for airline and travel agency clients

- Developed *middleware components* for data structure conversion (C++ / Java <-> XML / JSON / EDIFACT)

Technology used: C++, Java, REST api, Oracle, libgit2

Education

University of Oxford — MSc computer science — 2012-2014

Software development, artificial intelligence, computer security, concurrent programming

Masters thesis: Implementation of artificial intelligence for cooperative multiple unmanned aerial vehicles

Technology used: C++, ROS (Robot OS), OpenCV, SLAM

ENSIIE — IT engineering school diploma — 2010-2012

General computer science, mathematics, economics

Skills

Operating systems — Windows, UNIX (Mac OS, Ubuntu, SLES)

Main programming languages — Java, C++, Kotlin, Python, Swift, Shell scripting

Database — SQL : Oracle, SQLite, PostgreSQL / NoSQL : Redis, mongoDB

Tools — Openshift, Docker, Ansible, Jenkins, Git, Elasticsearch

Languages

French - native

English - bilingual (TOEFL 103/120, TOEIC 935/990)

Japanese - fluent (JLPT N1 151/180)

Chinese - fluent (HSK 5)

Hobbies

Domotics, embedded systems — various IoT projects (connected lamps, alarm...) using Arduino and ESP32

Game of Go — practice regularly for more than 10 years, former president of CGCA (Club de Go de la Côte d'Azur)

Calligraphy — practice and promote Japanese, Chinese and English calligraphy
