

# Yannick-Alain D. Couassi-Blé

## Lead Software Engineer

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📍 Paris, France

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## EXPERIENCES (1/2)

### Technical Lead

#### WelcomeTrack

A solution for e-merchants that allows them to retain customers who have experienced delivery issues and to control their transport costs

📅 Oct 2020 – Present

📍 Paris

- Initiate & lead refactoring of all previous services to new stacks
- Organize roadmap and set development deadline
- Build & maintain internals libs
- Develop new features
- Improve services performance and code quality  
**Stack:** NodeJS, TypeScript, fp-ts, ReactJS, Jest, Github Actions  
ElasticSearch, SQL server, Redis, Prometheus, Grafana, Kafka, Docker  
Google Cloud Platform (kubernetes engine, pub/sub, cloud function, storage, secret manager, ...)
- Others:** Trello, Notion

### Software Engineer

#### Ditto Services - [bankruptcies due to covid19 pandemic]

📅 Mar 2020 – Juillet 2020

📍 Paris

- Building a BASS (Bank As A Service). The next generation of Banking. Ditto enables fintechs to seamlessly distribute banking products and services that require high regulation and complex technology.  
**Stack:** Scala, Akka Http, Event Streaming, Cats, Doobie, Docker

### Software Engineer

#### Zengularity // Fabernovel Technologies

📅 Oct 2018 – Feb 2020

📍 Paris

- **Bnp Paribas:** Reactive App development to allow their customer companies to have a 360° mapping of all their accounts and those of their subsidiary which it has a mandate to view the products, users and action/powers allowed on an account.  
**Stack:** Scala, Play framework! | Java 8, Spring boot, reactor, JPA | ReactJs, Typescript
- **Groupe Up:** Platform for their customers having lunch cards to enable them to associate their personal bank card to the lunch card for amounts exceeding the threshold of daily payments via REST API.  
**Stack:** Scala, Play framework!, Cats, ScalaTest, MongoDB, Kafka, EventSourcing/CQRS

### Engineer of studies in formal methods

#### SafeRiver

📅 Sep 2017 – Sep 2018

📍 Paris

- Build static analysis tools to verify critical software in industry and source code analysis using formal method.  
**Stack:** OCaml, PolySpace, IFFree, CVS

## EDUCATION

### Master's degree, Computer Science

#### Université Pierre et Marie Curie

📅 2016 – 2018

📍 Paris

## EXPERIENCES (2/2)

### Cofounder & CTO

#### Smartitech

📅 Oct 2023 - Present

📍 Paris

- We build lightweight home automation with included low connectivity constraints. Design, architecture and develop from scratch embedded firmwares and server side services.  
**Stacks:** C++, MQTT, BLE, OTA, GSM, WIFI, GCP, kubernetes, encryption, Pubsub, Typescript, ...

## SUMMARY

*Strong background in many computer science subjects. I'm open to work on challenging projects, lead technical teams, build large scale product from scratch to make positive impact*

## LANGUAGES

English

French

## SKILLS

Software development

Architecture

Machine Learning

Cloud DevOps

Fullstack/Mobile development

Functional Programming

Open-mindedness

Hardworker

## PROJECTS

### Kafka retryer

- An autonomous service to postpone a task in the time according to a strategy (regular, exponential backoff,...) from transient failures of consumer services  
**Stacks:** Redis keyspace notifications, Kafka

### TeecketHub

- Real-time event ticketing mobile App  
**Backend:** TypeScript, Koajs, PostgreSQL, Socket.io  
**IOS/Android App:** Flutter, rxDart, Firebase

### Flutter/Dart library

- A small typed and safe library for error handling with functional programming concept in Dart and flutter project (MIT licence). see

### Machine learning

- Machine learning coursera certificate: see credential