Yannick-Alain Couassi-Blé

(Software | Machine Learning) Engineer

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EXPERIENCE

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

- Reactive App development to allow the bank X client 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 possible on an account.
  Stack: Scala, Play framework! | Java 8, Spring boot, reactor, JPA | ReactJs, Typescript
- Platform for customers of company X 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

Lead Android developer intern
Bestfootball

📅 Jun 2017 – Sep 2017   📍 Paris

- Develop android Bestfootball App from scratch : Java, Android studio, Postman, Git
- Improvement of REST API features and documentation

EDUCATION

Master's degree, Computer Science
Université Pierre et Marie Curie

📅 2016 – 2018

Bachelor's degree, Maths & Computer Science
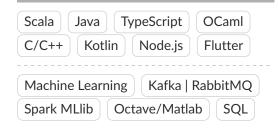**Université Paris-Est Marne-la-Vallée**

📅 2015 – 2016

Computer Software Engineering
EFREI - Ecole Française d'Electronique et d'Informatique

📅 2015 – 2016

SUMMARY

Hardworker, open mind, entrepreneur I'm open to new opportunities to work on challenging projects and to make positive impact on society

SKILLS

Scala   Java   TypeScript   OCaml
C/C++   Kotlin   Node.js   Flutter

Machine Learning   Kafka | RabbitMQ
Spark MLlib   Octave/Matlab   SQL

PROJECTS

Machine learning

- Assignments on Machine learning coursera certificate: **see credential**
  Email Spam classifier using **SVMs**, image compression using **Kmeans**, dimensionality reduction using **PCA**, anomaly detection & recommender system. **see**
- **Regularized Logistic Regression/Neural Networks** models to automatically recognize hand-written digits. **MNIST**
- Experiment Spark MLlib (Scala) by using **Linear Regression** model to estimate prices of house in 2018 from kaggle dataset Brooklyn Home Sales (2003-2017). **see**

Flutter/Dart library

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

TeecketHub

- Real-time event ticketing mobile App with mobile payment service.
  Backend : TypeScript, Node.js, Koa, PostgreSQL, Chai/mocha, Socket.io
  IOS/Android App : Flutter, rxDart, SQLite, Firebase

Static analysis tools

- Static Analyser by abstract interpretation in OCaml for a C-like language. **see**

TRAINING / COURSES

Machine Learning
Coursera - Stanford University

Programming Reactive Systems
edX - EPFL