

## Contact:

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- 39 years old
- Near Toulouse (FR)

## Languages :

- ✓ French (native)
- ✓ English (fluent)
- ✓ Spanish (fluent)

## Development :

- ✓ Java, Kotlin
- ✓ Golang, Rust
- ✓ Python, NodeJs
- ✓ Bash, Makefile
- ✓ C, C++, C#,
- ✓ Typescript, Javascript
- ✓ React Angular
- ✓ SQL : Mysql, Postgres..

## Systems :

- ✓ Docker, Kubernetes
- ✓ Linux Debian, Ubuntu
- ✓ Windows NT → 10, & servers

## Methodologies :

- ✓ Git flow
- ✓ Scrum master
- ✓ UML,
- ✓ BDD (TDD, DDD)

## Frameworks:

- ✓ Grafana / prometheus
- ✓ Elastic stack
- ✓ Github workflows
- ✓ Graphql
- ✓ Maven, Gradle
- ✓ Spring, Springboot
- ✓ Jhipster
- ✓ JPA, Hibernate
- ✓ .Net

# Adrien Touzouli

Full stack engineer



## In a nutshell

*I am a full stack developer with backend affinities and agile management, devops and continuous integration skills.*

*I'm in my late thirties and based in the south west of France near Toulouse but I'm always up for a trip from time to time.*

*I'm available for your web projects, especially if it involves open source coding 😊*

## Experiences

### 2020-2023 OKP4 - Toulouse (FR)

#### Fullstack developer

OKP4 develops a layer one cosmos blockchain that aim to facilitate data exchange by rewarding the actors involved in knowledge creation by giving then a governance mechanisms. Alongside the development of this protocol, there's some gravitating projects related to data science, data sharing governance and BI in agriculture and logistics.

- ✓ Docker compose deployments
- ✓ Kubernetes manifests
- ✓ Tweak some Prometheus exporter in Go
- ✓ Github workflow to build, lint and publish various projects in Python, R, Go, Kotlin, React...
- ✓ Kibana plugin to display geometry polygons on a map
- ✓ Discord bot functionalities in Rust
- ✓ Github action to automatically follow contributors
- ✓ QGIS scripts
- ✓ Scripts that generate wallets and affect instantiated Stargaze NFTs

- ✓ Github CI
- ✓ Docker
- ✓ Kubernetes
- ✓ Cosmos Blockchain
- ✓ Traefik
- ✓ Grafana
- ✓ Keycloak
- ✓ Opensearch
- ✓ Rust
- ✓ Go
- ✓ Kotlin

### 2022 RF Innovation - Toulouse (FR)

#### Independent contractor

Process, display, data from farming sensors : weight, temperature, sound. AWS cloud architecture, website, monitoring, supervision.

- ✓ Manage AWS services : IOT core, SQS queues, lambda functions
- ✓ Web app Angular
- ✓ Micro service in Golang to process sound data sent by devices and feed a AWS bucket
- ✓ Grafana dashboards

- ✓ AWS services
- ✓ Go service
- ✓ Kotlin / Jhipster
- ✓ Chartjs
- ✓ Springboot Angular

### 2020 RF Innovation - Toulouse (FR)

#### Independent contractor

Access turnstile with static electricity measurement for electronic component factory. Embedded development on Debian board.

- ✓ Web server with JHipster (Springboot / Angular)
- ✓ Python App
- ✓ System installation process.
- ✓ Access logger
- ✓ Configure the hardware
- ✓ Launch and validate measurements

- ✓ Jhipster framework
- ✓ Springboot Angular
- ✓ Python
- ✓ Debian

## CV Adrien Touzouli

### Tools:

- ✓ Github, Gitlab
- ✓ SVN, Git
- ✓ JIRA
- ✓ Confluence
- ✓ Jenkins
- ✓ Docker
- ✓ Nexus
- ✓ Bamboo, Bitbucket
- ✓ QGIS

### IDE :

- ✓ IntelliJ
- ✓ Visual studio code
- ✓ Visual studio 6 → 2019
- ✓ Eclipse, Netbeans

#### **2018 - 2020 CLS - Ramonville (FR)**

#### **Ausy consultant**

This mission, initially for Novacom, consisted of improving applications and data used for garbage collection.

C# message processing chain receiving data from garbage collection truck. Visual Studio 2019.

- ✓ Redesign to make it scalable.
- ✓ Unit an integration test setup
- ✓ Continuous integration continue with Gitlab CI.
- ✓ Performance and non-regression tools
- ✓ Deployment tool with Javafx, Kotlin Maven.

- ✓ C# C++, Gitlab CI, Kotlin
- ✓ Visual Studio 2019, IntelliJ
- ✓ Javafx et WPF

#### **2017 - 2018 Air France - Toulouse (FR)**

#### **Astek consultant**

This mission is mainly related to the management of documentation embedded in Air France aircraft.

##### ACDC Projet

Solution to monitor EFB (Electronic Flight Bag: aircraft embedded tablet) • Springboot backend • Angular frontend • EFB embedded software in Nodejs • Everything communicating with websocket • CI (continuous integration) configuration with Bamboo and Nexus

##### LoaderBoard Projet

Loaders are windows 7 PC laptops used to update documents and tools of embedded EFBs. Loaderboard is a PC application to manage a fleet of loaders. Electron framework allowing to access system PC libraries using Angular 4. PO (product owner) and developer.

##### ACARSWEB Projet

This project is an interface with ACARS messages (message format use to communicate with aircrafts) it allows to exploit flight data. • Java agent that parse and compile ACARS messages and send a report to a fuel consumption tool. • Interface avec KLM (Netherland) • Real TDD Development! (Test Driven Development.)

##### AMPHORE Projet

EFB Document management system for various aircraft types. Consists of a web application, java agents and Loaders. • Development • Redesigns following DDD Domain Driven Design paradigm. • Improvement and performance studies. • C# Scripts for the loaders.

- ✓ Java J2E, Maven, Spring, Hibernate Junit
- ✓ Springboot Angular 6
- ✓ Altassian Suite : Bamboo Bitbucket Nexus
- ✓ DDD, TDD
- ✓ Electron

#### **2016 -2017 Ministry of agriculture - Auzeville (FR)**

#### **Astek consultant**

Development from scratch of a web application helping state employees to instruct files regarding the management of private forests.

- ✓ Agile team and project setup: 3 product owners 4 developers.
- ✓ Development with Orion framework which is an overlayer of Spring.
- ✓ Development of java agents to recover data from a third-party organism. Management of the interface: XSD format.

- ✓ Eclipse
- ✓ Tomcat, Glassfish
- ✓ Xsd, xml, jaxB
- ✓ Server linux, application JMX
- ✓ Agents Camel

#### **Fin 2015 Thales Avionics - Toulouse (FR)**

#### **Astek consultant**

Embedded Tablet for Sukhoi planes allowing document reading, maintenance configuration and monitoring of various connected equipment.

- ✓ Analyze and characterization of an A429 driver used for data transfer between embedded modules. Performance optimization for a java application using this driver.
- ✓ Test protocol setup.
- ✓ Coding of a loopback in java and C++.
- ✓ Report stating different actions to be taken to improve system performances.
- ✓ Then corrections and evolutions on this java swing application.

- ✓ Sniffer A429
- ✓ Java swing

**2015****Intel - Toulouse (FR)****Astek consultant**

Contractor team Scrum Master for Intel. Business Intelligence BI team of 6 developers in charge of generating reports about maturity of various Android projects.

First with SSRS (SQL Server Reporting Service) then taking care of a C# backend. Manage team backlog and reporting. Develop and correct SSRS reports. Weekly production deployment on Sharepoint servers. Development of C# workers to extract transform and store data needed for reports. Automation of alert mails, data consolidation.

- ✓ Scrum master
- ✓ C#, TFS
- ✓ Clients lourd en WPF  
*NoSql : Mongo DB*

**2013-2014 Gaxu Soluciones - Santiago (Chile)****Developer**

Development of a biometric SDK allowing clients to implement ID verification systems with fingerprints and both old and new versions of the Chilean ID card.

Development Android and Windows SDK (Java and C# .NET framework).

Integration of Match-On-Card (Managing various versions of fingerprint minutiae and NFC communication) System integration with applet java, ActiveX, IIS servers, C# web services, and SQL data base.

- ✓ *Applications Android*
- ✓ *Match-On-Card*
- ✓ *lecteurs NFC, QR code, code barre.*
- ✓ *Lecteurs d'empreintes digitales*

**2010 -2012 Neopost - Bagneux (91, FR)****ALTEN consultant**

Embedded C++ developer for a franking machine Manufacturer.

- ✓ Debug and evolution of an embedded C++ software (ARM, Windows CE).
- ✓ Tools and scripts writing to improve R&D productivity (python, php).
- ✓ Unit tests and integration tests.

Team: 4 to 7 developers in France and 11 developers in Vietnam.  
Technical leader:

- ✓ Technical referent.
- ✓ Offshore team management.
- ✓ Daily meeting leader.

Team leader assistant:

- ✓ Project Scheduling
- ✓ Reporting
- ✓ Scrum master

Client site responsible: communication between contractors working on the client site (12 to 15 people) and the headquarters of Alten SA.

- ✓ *C++ embarqué*
- ✓ *Gestion agile SCRUM*
- ✓ *Synchronisation avec une équipe offshore*
- ✓ *Tests unitaires et d'intégration*

**2008 - 2009 Philog - Paris****IT Engineer**

SageX Project (permanent assignment) In charge of supporting an IP and X25 network supervision product.

- ✓ Technical support: on-line issues solving.
- ✓ Repairing and configuring IP/X25 gateways.

WHQL tests: Passing Microsoft test certificate on DTM Studio.

Driver design and development in C, C++ with DDK:

- ✓ Private Partition Project: Design of a system to allow the use of a hard disk part as an independent hard disk displayable or not.
- ✓ File Recovery Project: Design and programming algorithms improvement to recover deleted files in FAT and NTFS.
- ✓ Drive PDF Project: Virtual PDF printer based on Windows postscript printer driver describe in the DDK, and GohstScript. Installation made with Installshield.
- ✓ Video acquisition Driver. WDM (Windows Driver Model) Architecture from WDK. Layer used by a library to fill buffer with data in isochronous mode.
- ✓ Printer Port Monitor: Both USB and Serial Printer, the Port monitor, check for a printer and display an interface to allow a user to configure the port. Status feedback to inform Windows printer spooler.

- ✓ Driver Windows WDK
- ✓ C

## Other experiences

<b>Agriculture</b>	Member of an association that tries to develop a sector for an old variety of corn in the Gers, south-west of France.  Production, processing and sale of polenta, bulgur and corn flour.
<b>Beer brewing</b>	Beer brewing workshop animation for Brens INEOPOLE (81) training center in agriculture.
<b>Music</b>	Concerts, PA, recording and mixing
<b>Escalade</b>	SAE initiator: Artificial Site Climbing in Auzeville (31 France) Certificate issued by the French climbing federation.
<b>First aid</b>	First aid with the Protection Civile de Paris in 2011.

## Training

<b>2017</b>	Degree in Analysis and management of agricultural holding systems
<b>2007</b>	Master of Science from Cranfield University in signal and image processing
<b>2007</b>	Engineer degree from ESTIA in automatized process