

Contact:

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🌐 [ad2ien](https://ad2ien.github.io)
🌐 ad2ien.github.io

- 40 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

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 early forties 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

2023-2024

EIMIS - Beta.gouv (Remote)

Freelance Devops

EIMIS stands for Interoperability for instant messaging in the french healthcare sector, is a public start-up initiated by <https://beta.gouv.fr> and financed by [ANS](#) (french healthcare digital agency). This structure aims is to facilitate and secure instant communications for healthcare professionals in France, by using and promoting [\[Matrix\]](#) protocol among software editors.

- ✓ Community animation around Matrix protocol, and its implementation in the French healthcare ecosystem: demos, workshops, openlabs...
- ✓ Configuration and deployment of an [Element](#) / [Synapse](#) stack
- ✓ Python's tools and modules for Synapse

- ✓ Python
- ✓ Github CI
- ✓ Terraform
- ✓ Openstack
- ✓ Ansible
- ✓ Kubernetes

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 them 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 exporters 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)

Freelance cloud architect

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 Kotlin and Angular

- ✓ AWS services
- ✓ Go service
- ✓ Kotlin / Jhipster

- ✓ Spring, Springboot
- ✓ Jhipster
- ✓ JPA, Hibernate
- ✓ .Net

Tools:

- ✓ Github, Gitlab, Git
- ✓ Keycloak
- ✓ JIRA
- ✓ Jenkins
- ✓ Docker
- ✓ QGIS

Devops :

- ✓ Kubernetes
- ✓ Ansible
- ✓ Terraform
- ✓ AWS
- ✓ OVH
- ✓ Docker compose

IDE :

- ✓ IntelliJ
- ✓ Visual studio code
- ✓ Eclipse

- ✓ Micro service in Golang to process sound data sent by devices and feed a AWS bucket
- ✓ Grafana dashboards
- ✓ *Chartjs*
- ✓ *Springboot Angular*

2020	RF Innovation – Toulouse (FR)	<i>Freelance developer</i>
	Access turnstile with static electricity measurement for electronic component factory. Embedded development on Debian board.	<ul style="list-style-type: none"> ✓ <i>Jhipster framework</i> ✓ <i>Springboot Angular</i> ✓ <i>Python</i> ✓ <i>Debian</i>
	<ul style="list-style-type: none"> ✓ Web server with JHipster (Springboot / Angular) ✓ Python App ✓ System installation process. ✓ Access logger ✓ Configure the hardware ✓ Launch and validate measurements 	
2018 - 2020	CLS – Ramonville (FR)	<i>Ausy consultant</i>
	This mission, initially for Novacom, consisted of improving applications and data used for garbage collection.	<ul style="list-style-type: none"> ✓ <i>C# C++, Gitlab CI, Kotlin</i> ✓ <i>Visual Studio 2019, IntelliJ</i>
	C# message processing chain receiving data from garbage collection truck. Visual Studio 2019.	<ul style="list-style-type: none"> ✓ <i>Javafx et WPF</i>
	<ul style="list-style-type: none"> ✓ 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. 	
2017 - 2018	Air France – Toulouse (FR)	<i>Astek consultant</i>
	This mission is mainly related to the management of documentation embedded in Air France aircrafts.	<ul style="list-style-type: none"> ✓ Java J2E, Maven, Spring, Hibernate Junit
	<u>ACDC Projet</u>	<ul style="list-style-type: none"> ✓ Sprinboot Angular 6
	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	<ul style="list-style-type: none"> ✓ Altassian Suite : Bamboo Bitbucket Nexus ✓ DDD, TDD ✓ Electron
	<u>LoaderBoard Projet</u>	
	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.	
	<u>ACARSWEB Projet</u>	
	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.)	
	<u>AMPHORE Projet</u>	
	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.	

2016 -2017	Ministry of agriculture – Auzeville (FR)	<i>Astek consultant</i>
Development from scratch of a web application helping state employees to instruct files regarding the management of private forests.		✓ Eclipse
✓ Agile team and project setup: 3 product owners 4 developers.		✓ Tomcat, Glassfish
✓ Development with Orion framework which is an overlayer of Spring.		✓ Xsd, xml, jaxB
✓ Development of java agents to recover data from a third-party organism. Management of the interface: XSD format.		✓ Server linux, application JMX
		✓ Agents Camel
Fin 2015	Thales Avionics – Toulouse (FR)	<i>Astek consultant</i>
Embedded Tablet for Sukhoi planes allowing document reading, maintenance configuration and monitoring of various connected equipment.		✓ Sniffer A429
✓ Analyze and characterization of an A429 driver used for data transfer between embedded modules. Performance optimization for a java application using this driver.		✓ Java swing
✓ 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.		
2015	Intel – Toulouse (FR)	<i>Astek consultant</i>
Contractor team Scrum Master for Intel. Business Intelligence BI team of 6 developers in charge of generating reports about maturity of various Android projects.		✓ Scrum master
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.		✓ C#, TFS
		✓ Clients lourd en WPF
		NoSql : Mongo DB
2013-2014	Gaxu Soluciones – Santiago (Chile)	<i>Developer</i>
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.		✓ Applications Android
Development Android and Windows SDK (Java and C# .NET framework).		✓ Match-On-Card
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.		✓ lecteurs NFC, QR code, code barre.
		✓ Lecteurs d'empreintes digitales
2010 -2012	Neopost – Bagneux (91, FR)	<i>ALTEN consultant</i>
Embedded C++ developer for a franking machine Manufacturer.		✓ C++ embarqué
✓ Debug and evolution of an embedded C++ software (ARM, Windows CE).		✓ Gestion agile SCRUM
✓ Tools and scripts writing to improve R&D productivity (python, php).		✓ Synchronisation avec une équipe offshore
✓ Unit tests and integration tests.		✓ Tests unitaires et d'intégration
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.

2008 - 2009	Phillog - Paris	IT Engineer
SageX Project (permanent assignment) In charge of supporting an IP and X25 network supervision product.		✓ Driver Windows WDK
		✓ C
✓ 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.		

Other experiences

Agriculture	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.
Beer brewing	Beer brewing workshop animation for Brens INEPOLE (81) training center in agriculture.
Music	Concerts, PA, recording and mixing
Rock climbing	SAE initiator: Artificial Site Climbing in Auzeville (31 France) Certificate issued by the French climbing federation.
First aid	First aid with the Protection Civile de Paris in 2011.

Training

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