

# CARLES FUSTÉ

## SOFTWARE ENGINEER

hello@charly3pins.dev • «<https://charly3pins.dev/>»

Enjoying being in the ever-evolving world of technology, displaying boundless enthusiasm for exploring new innovations and emerging trends. Continuously learning, adapting, and coding, becoming a valuable asset on any team.

## SKILLS

- Software Engineering
- Software Design and Development
- API Design and Development
- Distributed Systems
- (Micro)services Patterns
- Domain-Driven Design
- Event-Driven Patterns
- Test Driven Development Practices
- DevOps philosophy
- Continuous Integration and Continuous Delivery (CI/CD)
- Tech Leadership and Team Mentoring
- Writing and Publication

## EXPERIENCE

### VP of Engineering

Bankable (Remote, Spain)

June 2023 - Present

### Engineering Director

AREX Markets (Remote, Spain)

April 2022 - Present

- (Acquired by Bankable)
- Responsible for the Engineering Strategy
- Budget planning and management for the Engineering Organization
- Lead the Solution Architecture
- Set frameworks and playbooks for the organization to standardize their engineering practices
- Responsible for overseeing the design, development, and maintenance of the cloud platform that supports our products
- Coaching and mentoring technical leaders and engineers of the organization, helping them to set goals for career growth based on OKRs and CFR
- Designed and implemented an Engineering Ladder with 2 tracks: Individual Contributor and Engineering Manager
- Designed and Implemented the Hiring Process for Engineering
- Partner with Product to align roadmaps, establish OKRs and resourcing recommendations
- Accountable for the delivery of features and quality of the implemented solutions

### Software Engineer (Tech Lead)

AREX Markets (Remote, Spain)

March 2021 - April 2022

- Tech Lead for the Financial Services squad
- In charge of the payments, money flow and the ledger of the company
- Responsible for the Application Architecture strategy and execution
- Lead by example
- Collaborate with the team to identify and fix technical problems
- Analyze users' needs with the Product Manager and find solutions to serve them
- Check that the software accomplishes the standards of the company
- Identify areas of improvement for the product
- Hire and train new members
- Delegate work and assignments to team members

### **Software Engineer**

November 2018 - March 2021

AREX Markets (Barcelona, Spain)

- Research and implementation of a common architecture in the existent microservices in Go
- Development of the new microservices in Go
- Uniform the communication between microservices using gRPC
- Asynchronous messaging with PubSub
- Database administration in PostgreSQL
- CI/CD with Jenkins
- Docker and Kubernetes for development and production
- Introduction of new workflows and methodologies for the development team
- Google Cloud Platform (GCP) and Amazon Web Services (AWS)

### **Software Engineer (Tech Lead)**

January 2018 - November 2018

iContainers (Barcelona, Spain)

- Event-driven architecture (EDA) and microservices
- Usage of Amazon Web Services (Lambda [Go & NodeJS], Step Functions, SQS, S3 and Cloudwatch)
- Develop an API in Go with MongoDB and another one with MySQL to control the data of the system
- Definition and development of a custom framework with MongoDB to define-build-deploy Step Functions for AWS
- Definition and development of web applications using Go templates (admin panels, dynamic forms)
- Migrate a few microservices working with SQS in PHP (Laravel) to Go
- Security with Auth0
- Usage of different tools: Gitlab, Jenkins, Docker, ELK, Grafana
- Sprint planning with CTO, lead the stand-ups and retrospectives with all team
- Ensure the codebase quality by doing Code Reviews

### **Software Engineer**

October 2016 - January 2018

iContainers (Barcelona, Spain)

- Improvement of the REST API build in Java, Spring Security and Hibernate
- Maintaining internal monolithic applications in different languages such as ASP .Net, JSP and JSF
- Development of new CMS using jBake and later switched to Hugo
- Database administration in PostgreSQL
- Version control with SVN
- Definition and development from scratch of a new highly scalable and flexible back-office system based on an event-driven architecture (EDA) and microservices
- Development of a few panels with Angularjs and Go templates both with OAuth 2.0
- Database administration PostgreSQL, MongoDB and MySQL

- Switched the version control to Git using Gitlab
- Adoption of the CI/CD philosophy with Jenkins
- Adoption of the usage of Docker for the development and production phase
- Monitoring with ELK and Grafana
- Adoption of an Agile methodology with Scrum

### **Java Developer**

September 2015 - October 2016

Better Consultants (Barcelona, Spain)

- Developer in different projects for Andbank and Java consultant for a new project in Banc Sabadell.
- Tech used: Java, HTML, CSS, JavaScript, Struts2, Spring, Hibernate & SubVersion

### **Java Developer**

March 2015 - September 2016

Altran España (Barcelona, Spain)

- Java Developer in the GIS project team in TMB.
- Tech used: Java, Spring, Hibernate, PostgreSQL & SubVersion

### **Java Developer**

March 2014 - March 2015

Better Consultants (Barcelona, Spain)

- Java Developer in two projects for the Ajuntament de Barcelona, developing new modules and maintaining the current ones.
- Developer in two new projects for Andbank.
- Tech used: Java, HTML, CSS, JavaScript, Struts2, Spring, Hibernate & SubVersion

### **PHP Developer**

September 2013 - February 2014

Clickart (Barcelona, Spain)

- Developer in the Clickedu platform team. It is a modular and versatile software management, oriented to the real needs of everyday life and coverage for different educational and institutional requirements as well as for students and families.
- Tech used: PHP, MySQL, AJAX, HTML, CSS, JavaScript, jQuery & SubVersion

### **Java Developer**

April 2013 - September 2013

Aplicaciones en Informática Avanzada (Sant Cugat del Vallés, Spain)

- Java Developer in practices within the Banking and Insurance Department implementing a new module for the Prevention of Money Laundering and Financing of Terrorism.
- Tech used: Java, HTML, CSS, JavaScript, Struts2, Spring, Hibernate & SubVersion

### **Intern as Multimedia Content Manager and PHP Developer**

June 2012 - August 2012

Invertred (Barcelona, Spain)

- Video edition with Final Cut (retouching images, making trailers, adding watermark)
- Management of a company blog (reviewing news, correction of the content)
- Moderator of a public forum (administrator of users, reviewing posts and channels)
- Programming tasks in PHP helping the development team

### **Intern as DBA and PHP Developer**

June 2011 - August 2011

Invertred (Barcelona, Spain)

- Development of small crawlers in PHP to obtain data about recipes, processing the content including corresponding translations and management of the database in MySQL for a new mobile application.

## PROJECTS

- Collectus: the tool to manage your multiple collections [php, javascript, mySql]
- Tournaments generator (POC) [go, python, flutter, postgresSQL]

## EDUCATION

- Ingeniero Superior en Informática, Computer Engineering, Universitat Autònoma de Barcelona, 2008-2013

## KEYWORDS

Go (golang) • Go Templates • Linux • Ubuntu • Debian • Kubernetes (k8s) • Containers (Docker) • Microservices • Event-Driven Architecture • Domain-Driven Design • Command Line (CLI) • HTML • CSS • JavaScript • SQL • PostgreSQL • MySQL • UML • YAML • JSON • XML • Markdown • API • RPC • BFF • REST • gRPC • ProtoBuf • Terraform • CI/CD • GH Actions • Jenkins • curl • OAuth2 • Auth0 • Vim/Vi • VSCode • Agile • Scrum • Kanban • Project Manager • Team Lead • Mentoring • Coaching • Git • GitHub • GitLab • AWS • GCP • Slack • Jira • Confluence

## LANGUAGES

- Spanish (native)
- Catalan (native)
- English (spoken and written)