CARLES FUSTÉ BERTRAN

CHIEF TECHNOLOGY OFFICER

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As CTO, I bring a hands-on engineering mindset and a strategic vision to drive impactful change. I'm passionate about solving complex problems and aligning technology with business objectives to deliver measurable results. I have a product oriented mindset and experience on building high-performing teams, mentoring talent, and fostering environments where innovation thrives.

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 Continous Delivery (CI/CD)
- Tech Leadership and Team Mentoring
- Writing and Publication

EXPERIENCE

Chief Technology Officer
Bankable (Remote, Spain)

November 2024 - Present

VP of Engineering
Bankable (Remote, Spain)

June 2023 - November 2024

- Led agile engineering teams to deliver cutting-edge embedded finance solutions, aligning technology with business objectives and ensuring exceptional user experiences. I was responsible for scaling our engineering capacity, defining platform architecture, and upholding the highest security and compliance standards.
- A key part of my role involved leading the transition and integration of technology teams, systems, and processes following our acquisition. In the absence of a VP of Technology or CTO at the acquiring company, I took charge of harmonizing engineering practices, fostering collaboration, and ensuring continuity across both organizations.
- I built and nurtured a world-class engineering culture focused on psychological safety, inclusivity, and technical excellence. My responsibilities included recruiting and mentoring top talent, driving transformational data strategies, and streamlining delivery processes to achieve measurable outcomes for the business and our clients.

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)
March 2021 - April 2022
AREX Markets (Remote, Spain)

- 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, postgreSQL]

EDUCATION

- Ingeniero Superior en Informática, Computer Engineering, Universitat Autonoma 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)