PERSONAL INFORMATION	**Carlos Frias Zapater**

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Date of birth: 03/11/1980

POSITION	Lead software engineer
Responsibilities	lead, software development, design, architecture, cross-team best practices, CICD, IaC, agile

RECENT WORK EXPERIENCE

2022-present — Lead software engineer
Bardavon (remote, US)

2020-2022 — Senior, then Lead software engineer
PeerWell (remote, US)

2017-2020 — Senior, then Principal software engineer
Orwell Group (remote, UK)

EDUCATION AND TRAINING

2017 — Scrum, PRINCE2 Foundation, ITIL Foundation Certificates
Centro Tecnologías Avanzadas (Zaragoza)

2014 — Kanban methodology
Agile Taste (Madrid)

2006 — Computer science engineer (Bachelor's degree)
Centro Politécnico Superior (Zaragoza)

PERSONAL SKILLS

Job skills

Development: full-stack (backend, frontend, mobile); FP and OO; strong BDD, TDD, SOLID, clean code, clean architecture background; modern javascript/typescript, nodejs, kotlin, java, python, dotnet, go, rust; k8s, docker, reactive, event-driven systems; react, redux, CSS; SQL/NoSQL...

Soft skills: strong experience as senior, principal, lead engineer, based on agile, devops, continuous delivery principles; lead development teams (up to 10 people), promoted engineering dept (up to 5 teams) best practices. Great attention to detail, proactive. Enthusiast, motivated to learn.

Architecture: wide experience designing and maintaining complex, distributed, decoupled systems (micro-services) and data stores; contract-driven (openapi) REST APIs; API gateway (apigee, AWS), serverless; monitoring & alerting...

CI/CD, IaC, automated testing and deployment: test pyramid (unit, integration, E2E tests), many testing frameworks, github actions, jenkins, terraform.

Databases: SQL (maria/mysql, postgresql, oracle), NoSQL (mongo, key-value stores, etc), various ORM frameworks and automated database change management tools...

Other software engineering skills: full lifecycle of products and projects, agile processes improvement (change management, test and production deployment, acceptance tests, integration protocols, version planning, team development process, version control, documentation, traceability).

Extended experience in mission-critical, SOC2-audited systems:
- Medical (HIPAA PHI, EHR).
- Financial (PSD2, OpenBanking, SWIFT MT, ISO 20022 PAIN, CAMT, DDEBIT standards).

Professional developer since 2006.

Languages

Spanish – Mother tongue
English – High level (understanding, speaking, writing)

ADDITIONAL INFORMATION

Remarkable Projects

Bardavon:
- Prevention kiosk app (kotlin, android).
- New dashboard combining data from task assessments and movement reports (ts, remix, playwright).
- Rebrand Preventure apps to Bardavon, redesign (web: remix, mobile: flutter).
- Monitoring & alerting: google cloud.
- SOC2 audit.
- Care Management Portal (inherited) go-live (python, react, aws lambdas).

PeerWell:
- Medical programs v2 - Content management and delivery (ts, node, cucumber, jest, docker, k8s, oauth2, jwt, mongo, express, nestjs, mongoose, jenkins).
- Identity management - OAuth2 server (js, node, cucumber, mocha, docker, k8s, oauth2, jwt, mongo).
- Partner API - Integrate Partner systems with PeerWell in an automated way (js, node, cucumber, mocha, docker, k8s, oauth2, jwt, mongodb, express, jenkins).
- Dashboard 2 - Portal and API for partner users and care team (js, node, react, redux, mocha).

Orwell Group:
- API products and Integration tests (node, cucumber, REST, apigee, AWS API Gateway).
- Registration, Product, Contract, Customer, Payments, AML and other microservices (k8s, REST, java, spring boot, node.js, mariadb, cassandra, kafka-streams, apigee, CI/CD, cucumber).
- Payments service for FPS, CHAPS, internal account transfers – common interface for payment initiation, indexing and searching (REST, solr, kafka, java, spring boot, storm, cucumber).
- Infrastructure as code: CICD, EKS, application-supporting environments (terraform, ansible, packer, python, AWS, jenkins, jira, artifactory, k8s...).

Personal (https://github.com/terracota-p): playgrounds, a kanban board, a web RPG in the making...