Francisco Manuel Soto Ramírez

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EXPERIENCE

Amazon – Software Development Engineer 2 — April 2023 – Present | *Remote (Spain)*

- Designed and built a serverless config-check solution for a $549MM project. From evaluating config in 2 services and 50 times per request to single source of truth, single evaluation per request.
- Coordinated with 3 out of the 4 core services in Amazon Search for interface changes between services
- Designed and unblocked the expansion of the $549MM project from an MVP of 173 categories to scaling to 1414. Focused on edge cases of dependencies APIs when expanding categories, preventing post-mortems
- Created migration plan out of deprecated secret manager service for CSRF tokens for AJAX calls of AddToCart button in Search, involving 2 backend APIs and 2 client services

Amazon – Software Development Engineer 1 — September 2021 – March 2023 | *Remote (Spain)*

- Designed and built new page template, with DynamoDB read-heavy workflow, coordinating 3 partner teams and integrating in 2 services
- Designed and led an iteration with small and CX changes of a 1M daily impressions layout toggle
- Implemented read use case and GDPR compliance for new service supporting high requests/s (20k avg, 45k max)
- Unblocked a project getting wrong business data for 1 month caused by a bug in network retries in another service
- Reduced with an in-memory cache the backend latency of a 1-column mobile layout for hardlines from +2ms to -13ms
- Wrote a postmortem for the importance of finding/asking for clear API specifications of APIs you consume

Other cool projects I worked on and was on-call for:
- API internal migration of the title of products in multiple categories, 3.5B backend calls per day, worldwide
- Enabling a label before striked-through prices in search page, 36MM daily impressions worldwide, $30MM revenue
- Expand scope of a page template for softlines categories, $50MM revenue
- Modify search templates to increase show rate of a successful widget, $75MM revenue
- Backend processing weekly the colors for the color-swatches shown in Search page, pre-computing them for fast read

Other skills:
- On-call, writing technical documents, high-level project estimations to communicate to business
- Onboarded an SDE1 and mentored a 1-year-long intern from women in tech bootcamp (Adalab bootcamp)

University of Cádiz – Student collaboration — 2019 – 2021 | Cádiz, *Spain*

- Developed a couple of smart contracts based on Ethereum ecosystem
- Benchmarked a smart contract for a research paper with Hyperledger Caliper. Publication

EDUCATION

University of Cádiz – 2017 – 2021

- Computer engineering – 8.5/10 GPA
- x7 honorific mentions, one of them in final project
- Never failed/skipped a course

SOFTWARE SKILLS

- **Proficient in**: AWS, Java, JavaScript, Typescript.
- **Worked in**: Git, Rest APIs, CI/CD pipelines, Docker, HTML5, CSS3
- **Interests**: Writing tech docs, distributed systems

PROJECTS

Study Guides for students — September 2017 - Present | *Spain*

- 145k+ total downloads in freemium platform which earns me passive income with zero effort (30k downloads in 2022)
- Made me popular among people I never met.

Decentralized application for buying/selling eLearning analytics

- React.js frontend with x2 backends: a Smart Contract and a Learning Record Store
- Versioned the smart contract to enable code updates
- Applied state-of-the-art smart contract security practices and executed performance benchmark that broke my laptop :)
- Tech stack: JavaScript, React.js, Solidity, Truffle Suite, Geth, Hyperledger Caliper, Learning Locker