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Experience

Mercado Libre | Sr Software Developer

Jan 2022 | 4 years | Hybrid

- The error rate is reduced from 20% to 0.01% daily for a \$3M USD POS provider, resulting in a \$600K USD increase and a reduction in contact rate from 200 to 3 per day.
- Initiatives with formal adoption in the business unit are promoted, which are:
 - Use of as C4 Model (sectioning documentation, external, internal and business).
 - Use of BDD to define contracts together with stakeholders and its integration with TDD.
 - A technical roadmap is promoted to allow anyone to define an improvement personal plan.
- Working on a web service that generates additional payment information, the following stands out:
 - Reduce the cost of infrastructure by 92% (from 5k to 400 USD).
 - Reduce new vendor implementation time from 1 month to 1 week.
 - Reduction of persistence complexity from 3 relational DB to 1 non-relational DB.
 - Reduction of environments from 10 to only 3 (Including networking, storage and logs).
- The cash deposit service was migrated from Mercado Pago to a bank for certification in Mexico.

Kaizen TI | Technical Leader

Apr 2020 | 1 year 7 months | Home Office

- We participate in planning, analysis, estimation, task assignment, follow-up, testing and monitoring of the deployment of critical transactional services of high concurrency, in general tasks focused on project management with technical participation.
- Among the projects managed is a service that allows reading PROSA reconciliation files for data analysis (ETL), in which it is possible to replace a legacy service by offering:
 - Read special files (enscribe, from GuardianOS) in different orders, avoiding re-processing complete files, going from a processing time of 1 day to 1hr, and in cases of re-reading from 3 days to 1hr, 50% less resource usage.
- Git Flow, Testing, Clean Code, Release Process, use of docker in the development and QA area are implemented in the teams, improving release review cycle times from 1 day to 1hr.

Invex | Ssr Software Developer

Feb 20 | 3 months | Hybrid

- We participated in maintenance tasks and productive bug fixes of the customer service ticketing service, which was a JEE type service.
- We were able to implement the standard gitflow and advanced use of GIT allowing a decrease from 3 days to 1 hour the integration of code to the productive branch and the decrease of bugs derived from poorly executed conflict resolutions due to bad branching (from 5 per week to 1 every 15 days).

Ks Soluciones | Software Developer

Feb 18 | 2 years | Presential

- I participated in the analysis, design, development, testing, productive deployment and monitoring of different high criticality services using java 5 and 8, web services, spring as framework and different relational repositories.
- As responsible for a new service (reengineering of payment processor that communicates with banks) that allows homologating the transactional approval of home depot we achieved:
 - Reduced from 12 to 1 web service (computing costs from 2.5k to 100 USD per month).
 - Adoption of new banking providers from 2 months to 1 week
 - Reduced business complexity
 - Performance improvements (processing 10X more transactions with 96% fewer resources)

Technical Skills

Java Docs, Markdown, C4 Model, OpenAPI, and UML for documentation	Mockito, Gherkin and Junit use to make Integrate, functional and unitary testing (TDD and BDD)	Performance tracking with VisualVM and stress tools like Jmeter, SoapUI and Postman	Version control and Dependency Management with Git and Maven
Java 8, 11, 17 (lambdas, OOP, stream, Collections, Reflection and threads) and Kotlin for mobile.	RabbitMQ and Kafka for Messaging route queue service and event systems.	Web computing with Azure DevOps, Bitbucket and GCP (studying AWS)	Data Base (Postgres, MS SQL, MySql, Oracle, Mongo, Redis, SQLite)
Dockerize applications and build of pipelines to CI and CD with Kubernetes	Observability and monitoring (Grafana, Prometheus, Datadog and OpsGenie)	Learning Next Js, React, Tawland for Frontend, Rust and DevSecOps	Design patterns, software architectures and principles and good practices (DDD, SOLID, Clean, etc)
Golang (4 years) for high concurrent cross country solutions, Table tests, channels, virtual threads, Gin Gonic.	System design (API Gateway, SAGAS, CQRS, Caching, Contingency, failure tolerance, ACID., Middlewares)		

Education

Universidad Tecnologica Fidel Velasquez | UTFV
Computer systems engineering
GPA 9.2 | 8 quarter of 11 | Dropped out

Universidad Virtual del Estado de Guanajuato | UVEG
Computer systems engineering
GPA 9.2 | 6 trimester of 15 | Studying online (only weekends)