



Daniel Moreno Levy
Software Engineer
USA / Spain Dual Citizen

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SUMMARY

Experienced Software Engineer and Tech Lead proficient in Typescript and Python, actively expanding skills in Golang and Rust, demonstrated through projects on my [GitHub](#).

SKILLS

PROGRAMMING LANGUAGES	python typescript rust golang bash lua
DEVELOPMENT ENVIRONMENTS	node / npm poetry / pipenv cargo linux NixOS neoVim
SOFTWARE DEVELOPMENT INSIGHTS	Design Patterns CD/CI UNIX Philosophy Infrastructure as Code
FRAMEWORKS & LIBRARIES	ExpressJS NestJS Tokio Gin Django Flask Vue React
DATA BASES	PostgreSQL MongoDB redis Elastic Search GraphQL
INFRASTRUCTURE	Docker Kubernetes AWS microservices serverless Gitlab CI / CD
INTERPERSONAL	Positivity Tenacity Clear Communication Teamwork Leadership
LANGUAGES	Native: English Spanish Advanced: Japanese, Nôken 2, Dec 2022

EXPERIENCE

AUTOPAY

November 2022 - Present

TECH LEAD

- Earned a promotion to lead a four-engineer team, driven by my successful overhaul of a critical legacy monorepo, enhancing both project health and team productivity.
- Spearheaded adoption of serverless architecture, breaking down monolithic services into smaller, more manageable units, improving scalability and developer experience.
- Conducted extensive analysis and documentation of critical legacy code, writing dozens of articles, improving our understanding and ability to extend it efficiently.
- Established a comprehensive 'developer wiki' on Confluence between the four development teams of the organization, breaking down silos and fostering knowledge sharing across engineering teams.
- Designed and implemented an 'auto-submission' event driven system to automate the loan application process, previously done manually, enhancing operational efficiency by 10x.
- Revitalized a large legacy monorepo by replacing ineffective FlowJS with TypeScript, removing hundreds of false-positive static code analysis errors, greatly enhancing developer experience.

AUTOPAY

July 2022 - November 2022

BACKEND ENGINEER

- Developed several APIs to support the new car loan application process, including SNS / SQS based event driven lambdas and REST servers, to scale to a million application submissions per year.
- Took ownership of manual mail code import process, semi-automating it with Gitlab CI / CD to reduce the time required to import new codes by 90%.

BAMBU

January 2022 - June 2022

BACKEND ENGINEER

- Managed the deployment and ongoing maintenance of Kubernetes clusters, ensuring reliable delivery of financial services APIs to a global client base of dozens of banking companies with millions of users.
- Collaborated within a diverse, international team, customizing Bambu's Robo Advisor to meet unique requirements of clients worldwide.

REBELLION PAY

November 2020 - November 2021

SOFTWARE ENGINEER

- Led the design and development of key systems for Rebellion Pay's financial services, such as cryptocurrency trading, cashback rewards, and internal tools for customer incident resolution.

- Enhanced system resilience and scalability by shifting from EC2 to a Kubernetes cluster, enabling effective horizontal scaling for thousands of concurrent users.
- Played a pivotal role in evolving from a monolithic REST framework to a more dynamic, distributed microservices architecture, utilizing NATS for enhanced performance and sophisticated data modeling, allowing us to reach 800.000 active users.
- Collaborated in a multidisciplinary team of 20+ engineers and designers, employing SCRUM methodology to efficiently meet business objectives.

MR HOUSTON

August 2019 - November 2020

FULL STACK DEVELOPER

- Developed a web interface for an AI application analyzing news impact on IBEX 35 share prices, employing Vue, Django, Flask and AWS Lambdas.
- Iteratively refined the application, identifying and implementing key use cases to attract potential clients, through four product iterations.
- Resolved complex UI challenges involving data graphs of tens of thousands of data points and optimized query performance, enhancing application user experience.
- Managed a team of three, a software engineer and two data scientists, in task allocation and priority setting, effectively meeting project deadlines.

OPTIVA MEDIA

June 2018 - October 2018

INTERN WEB DEVELOPER

- Contributed to Media-Streamer, an ETL project for multimedia file metadata enrichment, utilizing AWS, MySQL, Sequelize, and ExpressJS.
- Gained experience in a SCRUM-based software development team consisting of a dozen people, learning agile methodologies in practice.

EDUCATION

UNIVERSIDAD POLITÉCNICA DE MADRID

September 2018 - June 2019

MASTER IN CYBER-SECURITY

- **Graduate Project:** Researched, developed and deployed an email spam filter using a machine learning predictive model based on the Naive-Bayes algorithm.

COMILLAS ICAI

September 2013 - June 2018

UNDERGRADUATE DEGREE IN TELEMATICS ENGINEERING

- **International Exchange Program:** Rose-Hulman Institute of Technology, Terre Haute, IN (4th year of undergrad)
- **Undergraduate Project:** Comprehensively researched the security risks present in automobile control systems and implemented an encrypted communication channel between the control components to alleviate the encountered issues. Sponsored by Rolls Royce, Indianapolis, IN.