

Julian Irigoyen

Senior Software Engineer — Distributed Systems, Platform & AI Agent Infrastructure

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Profile

Senior engineer, eight years building distributed systems and platforms in Scala/Akka, Rust, Java, TypeScript and Go — and two years building autonomous AI agent systems that run in production. Founded Supersolid in 2026 and still ship as principal engineer on it. Backend, platform and DevOps; comfortable owning a system from design through to the on-call that follows.

EXPERIENCE

Mar 2026 – present

Supersolid | Founder & Principal Engineer

Buenos Aires · Remote

- Cofounded with Dmitry Sabanin and Emiliano Migliorata. Own products in fintech and quantitative trading; cofounding engineering for other founders.
- A Rust engine running strategies against live order books, on our own capital.
- DJINN, an open-source agentic workflow platform — in continuous development since January 2026 and running unattended on a cloud VM since June, reachable through Slack, supervised by pm2 and trusted with real infrastructure: watchdogs, nightly digests, incident detection and a knowledge store it maintains itself.

Mar 2025 – Aug 2026

TrueML | Senior Software Engineer II

United States · Remote · [Agentic workflows team](#) — promoted from Senior Software Engineer

- On the agentic workflows team throughout — automating collections workflows end to end.
- Designed and shipped the authorization platform on AWS Cognito — adopted by the legacy estate and built into new applications and services across the company.
- Led the workflow engine migration from Camunda to Netflix Conductor, **saving \$200k**.
- Built the bankruptcy monitoring system for collections compliance. The failure mode there was regulatory exposure, not cost.
- Designed the collector shim bridging the legacy estate to One True Platform, the next-generation system.
- Built the partial payments flow, which drove **hundreds of thousands in revenue** across tax season.
- Platform engineering across Java, TypeScript, Scala and Go; CI/CD on Kubernetes, Helm and ArgoCD.

Mar 2024 – Mar 2025

TrueML | Senior Software Engineer

United States · Remote · [Agentic workflows team](#)

- Platform and infrastructure work across the estate, leading to promotion to Senior II.

Aug 2021 – Jan 2024

Expero | Backend Developer — Rust & .NET

Houston, Texas · Remote

- Portfolio management for **IHS Markit**: APIs and data pipelines for capital-intensive industries and markets.
- Event-driven architecture; persistence and data-science-adjacent services.

2022 – 2023

Fractal Technology | Lead Developer — Scala & Akka

Remote — concurrent with Expero

- String3, a Layer 1 blockchain built on the actor model. Joined as support, left as lead.
- Led four engineers alongside the CEO and product owner.

Jan 2021 –
Sep 2021

■ **Alma Fintech** | Full-stack Developer — React & Scala

Buenos Aires

- Daruma, an electronic wallet, end to end — design, front end, back end and QA — working directly with the client to define each feature.
- Maintained legacy code and carried production support.

Sep 2020 –
Jan 2021

■ **Tiendanube** | Backend Developer — Scala & Akka

Argentina

- Refactored the **orders system** — the critical bottleneck every other service depended on — at pace, in a genuinely agile team.
- Reactive microservices on the actor model for Latin America's largest e-commerce platform: Akka Typed, Persistence, Projection, Streams and Cluster Sharding.
- Domain-driven design and TDD enforced throughout.

Oct 2019 –
Sep 2020

■ **intive** | Scala Developer

Buenos Aires

- Mosaic Energy account: service development and quality assurance in Scala and Java 8.
- Feature definition, code maintenance, QA, and production troubleshooting.

Feb 2019 –
Sep 2019

■ **Globant** | Java Developer

Buenos Aires

- Disney account: microservice development in Java 8, Spring, Spring Boot and Spring Integration, on MariaDB and DynamoDB.
- Robotic process automation and web automation with Selenium.

SKILLS

Languages

Scala, TypeScript, Java, Go, Rust, Python, C#

Frameworks

Akka, Play Framework, NestJS, Spring, Spring Boot, Django, React

Infra/DevOps

Kubernetes, Helm, ArgoCD, Docker, GitHub Actions, AWS Cognito, CI/CD

Databases

SQL, PostgreSQL, MongoDB, Neo4J, DynamoDB, Firebase, MariaDB

Practices

Domain Driven Design, Test Driven Design, Event-Driven Architecture, Actor Model, Microservices, Agile/SCRUM

EDUCATION

2013 – 2017

■ **Washington & Lee University**

Bachelor of Arts, Geology & Business — Lexington, VA, United States

2012

■ **Trinity College**

International Baccalaureate Diploma — Buenos Aires

Languages: English (Bilingual), Spanish (Native) · Every project listed here is running.