Facundo Medica

Senior Software Engineer
Blockchain Engineer

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Experience

Software Engineer at Interchain GmbH (Cosmos SDK maintainers)   May 2022 - present
- Develop and innovate in the Cosmos SDK

Developer Relations Engineer at Umee (Cosmos SDK based network)   Oct 2021 - Apr 2022
- Code owner of Peggo (Gravity Bridge orchestrator implementation written in Go).
- Worked on chain upgrades (emergency binary swap and through governance proposal)
- Technical guidance for internal teams (testnets, tools, code-reviews, etc).
- Testnets coordination and technical guidance for the community.
- Employee onboarding and initial setup.

Senior Software Engineer at Loka Inc. (Software factory)   Dec 2019 - Oct 2021
- Go expert. API and microservices development.
- Created an in-house replicable Go API boilerplate and extended its use to clients.
- Developed an Android (Kotlin) app with automated deployments to a private Google Play Store and over-the-air updates using Google Cloud Build and Android Device Management.
- Setup and management of enterprise Android devices (Zebra).
- Mentorship of new employees on Android and Go.

Engineering Manager at Apperto Inc. (FinTech)   Apr 2019 - Dec 2019
- Scrum Master and Tech lead.
- Go specialist and backend developer.
- Infrastructure development and monitoring.
- End-to-end supervision and management of the project.

Software Engineer at Apperto Inc. (FinTech, *pivot* of Inmuvi S.A.)   Feb 2017 - Apr 2019
- System Architect of MVP (using private blockchain).
- Fullstack developer (Go, Flutter, Python, Vue.js).
- Design and implementation of microservices architecture on GCP with Kubernetes and Istio, communicated with gRPC on Google Cloud.
- Implemented an automated build pipeline.

Software Engineer at Inmuvi S.A. (Software factory)   Mar 2015 - Feb 2017
- End-to-end project development (requirements gathering, design, planning, execution, and deployment).
- Fullstack developer (PHP, Python, Node.js).
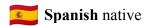- Frontend developer (iOS Objective-C, Android Java).

Projects

The first implementation of Intel's SHA256 intrinsics in Go (github.com/facundomedica/sha256-simd)
- Contest held by Spacemesh (spacemesh.io) through Gitcoin.co.
- Goal: improve SHA256 hash rate in AMD Zen processors using Intel intrinsic instructions in ASM.
- Shared first prize with the second contestant who improved on my answer (Spacemesh's tweet).
- Did some more freelance work for Spacemesh.

Fast QR Reader View Flutter package (github.com/facundomedica/fast_qr_reader_view)
- (Formerly) Most starred QR reader widget package for Flutter (277 stars).
- Now unmaintained.

Languages

🇪🇸 **Spanish** native

🇬🇧 **English** bilingual proficiency

🇮🇹 **Italian** limited working proficiency

🇧🇷 **Brazilian Portuguese** limited working proficiency

Education

Licenciatura en Informática at **Universidad Siglo 21, Argentina**   2018 - 2023
- Similar to a Computer Science 5-year degree
- Partial 3-year degree completed (*Analista Universitario en Sistemas de Computación*)

Other skills

(non-exhaustive list of the technologies I've worked with)
Backend: Go, Python, Node
Frontend: Javascript, Flutter, Vue.js, Angular
Mobile: Flutter, Android (Java/Kotlin), iOS (Swift/Obj-C)
Databases: PostgreSQL, MySQL, Google Datastore, BigQuery, MongoDB
DevOps: Docker, Kubernetes, Istio, microservices, gRPC
Blockchain: Cosmos SDK, Bitcoin (Multichain), Ethereum (Solidity, web3)
Other: applied cryptography, Scrum master, Google Cloud, embedded systems, electronics