

# Pierre FENOLL

32 years old, of French nationality  
Ingénieur Diplômé de l'**EPITA** (2015)  
Master's Degree in Computer Science

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My **blog**  
[github.com/fenollp](https://github.com/fenollp) 2.2k+ Pull Requests  
[linkedin.com/in/pierrefenoll](https://linkedin.com/in/pierrefenoll)  
[stackoverflow.com/users/1418165](https://stackoverflow.com/users/1418165)

## Experience

- 2022-, Paris** SENIOR RUST ENGINEER AT **SCALEWAY**.  
Developed services as part of the Network Products team, routing packets for 50k+ clients and upstreaming patches. 1.6k+ pull requests
- 2020, Paris** SOFTWARE ENGINEER AT **INTERSTELLAR LAB**.  
Designed a deterministic task processing system relying on genetic algs. Developed a Simulink to Python compiler for a life support system.
- 2019-2020, Paris** SENIOR LEAD BACKEND DEVELOPER AT **POWDER.GG**.  
Wrote backends in small multidisciplinary teams through multiple company pivots. **Published an article on mobile inference pipelines with C++, Objc++ & Bazel**
- 2018-2019, Paris** SENIOR ELIXIR BACKEND DEVELOPER & P.O. AT **PANDAScore.CO**.  
Ported its large money-making Ruby Web API to Elixir as a team of three within two months and set up property-based testing. Introduced a BDD cleansing tool with positive impact on major internal and external products.
- 2015-2017, S.F.** BACKEND ENGINEER AT **2600Hz, Inc..**  
Large open source Erlang project (a cloud-based VoIP platform). Designed tooling for DevOps and failure analysis.
- 2013, London** INTERNSHIP AT **ERLANG SOLUTIONS LTD..**  
Implemented an implicitly-parallel language and GPU backend based on Lucid.

## Projects & Contributions

- Open source work    RabbitMQ, Pytorch, MediaPipe, Elixir, Erlang/OTP, starlark-go, dlib, NREL tools, added an optimization pass to vtprotobuf, PropEr a Property-Based Testing library & many, many others
- Own projects        **monkey**: a Go client (and backends) to **QuickCheck** Web APIs  
**void\***: project files in 3D RGB space for art and **visual RE** with GLSL shaders  
**reMarkable-tools**: synchronous whiteboarding for reMarkable  
**bazel\_upgradable**: macros for simpler Bazel dependency pinning
- Maintainer of        **kin-openapi**, the OpenAPI v3 implementation in Go  
**libremarkable**, the Rust framework for developing apps for reMarkable tablets

## About me

- Languages            Native French, fluent English
- Hobbies                Cycling, yoga, swimming, bouldering, crafts