Colin Tenaguillo

Python backend engineer · payments and fintech · Bordeaux, France
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PROFILE

8+ years in software. Since 2023 I have been building Python backends where money moves: a payments API at HelloAsso, longevity swaps at Dedomainia. Before that, full-stack and AI at Delfox, cloud infrastructure at Cheops. On the side, Rust, and I live in the terminal.

- Languages: French (native), English (fluent, C1), used daily at work
- Hobbies: travel, music, cooking, video games

EXPERIENCE

Dedomainia, Software Engineer — Jan 2026 - present · Bordeaux

Backend of a SaaS that digitalises longevity swaps for insurers and reinsurers in the UK market.

- Turning a highly specialised domain (longevity risk, regulation, swap rules) into reliable software
- **Stack:** python, django, htmx, docker

HelloAsso, Python Backend Developer — May 2023 - Sep 2025 · Bordeaux

A Stripe-like payments API, in a banking context.

- Took the API from POC to production
- Set up monitoring and alerting
- Code quality: tests, linting, code review
- Backup lead dev on the platform-wide financial reconciliation project
- **Stack:** python, django, postgres, celery, redis, rabbitmq, docker, kubernetes, airbyte

Delfox, Full-stack Developer — Sep 2021 - Mar 2023 · Bordeaux

Nermind: a web platform to train reinforcement learning models on any physics engine.

- Backend in Python, gRPC, SQLAlchemy, PostgreSQL; frontend in React and TypeScript
- Integration plugins for Unity and Unreal Engine
- CI pipelines, Docker, LXD VMs, Ray cluster for distributed training, Terraform on GCP
- **Stack:** python, grpc, sqlalchemy, react, typescript, unity, c#, terraform, gcp

Web Design Marchand, Software Developer — Oct 2019 - Sep 2021 · Bordeaux

An ERP for small food-industry companies. My first dev job, with a lot of autonomy.

- Features and maintenance on a CMS built into the ERP
- React apps for clients and internal tools
- A WinDev cash register interface
- **Stack:** python, php, symfony, typescript, react, express, sql, windev

Cheops Technology, Technical Support (apprenticeship) — Sep 2017 - Jun 2019 · Bordeaux

Reliability of clients' cloud infrastructure, on 3x8 shifts including nights.

- Multi-client monitoring, sensitive medical data, incident resolution
- **Stack:** windows server, vmware, oracle, unix, sql, python

PROJECTS

sonora-tui, open source — Since Sep 2026 · github.com/ColinTenaguillo/sonora-tui

A terminal music player for TIDAL, Spotify, Apple Music, Deezer, YouTube Music, Subsonic and local files. Because I live in the terminal.

- Hi-res 24-bit playback, gapless, equaliser, synced lyrics
- Scrobbling to Last.fm and ListenBrainz, MPRIS and Now Playing
- brew install ColinTenaguillo/tap/sonora-tui
- **Stack:** rust, ratatui, tokio, rodio

kolum, open source — Since Nov 2026 · github.com/ColinTenaguillo/kolum

A kanban board in the terminal for Jira and GitHub Projects, driven from the keyboard with Vim keys.

- The whole board on screen at once from a local cache, synced in the background
- A fuzzy picker for issues, boards and commands, with a preview and JQL search
- Move, assign, comment: on screen at once, undone if the tracker refuses
- brew install ColinTenaguillo/tap/kolum
- **Stack:** rust, ratatui, tokio

reed, in alpha — Since Nov 2026

A desktop mail client for Gmail and IMAP, driven from the keyboard, on macOS and Linux. I use it every day.

- Offline: archives, labels and drafts are queued, and sent when the server answers again
- Local full-text search, with operators such as from: or is:unread
- Vim keys, a command line, a send that can be taken back for 5 to 30 seconds
- Ports and adapters, in nine crates
- **Stack:** rust, gpui, sqlite, tantivy

cubewar.live, online game — Since Oct 2026 · cubewar.live

A pixel war in three dimensions, in the browser: everyone places or removes a cube in a shared world, with a Twitch or Discord account.

- World server in Rust, real time over WebSocket; accounts and moderation in Node
- A reserve of blocks per account kept by the server, viewers without an account in read-only
- Also runs as an Activity in a Discord voice channel
- Arena load-tested with 200 players and 50 viewers
- **Stack:** rust, axum, typescript, three.js, react, docker

SKILLS

- **Languages:** python, typescript, rust
- **Backend:** django, sqlalchemy, grpc, celery, htmx
- **Frontend:** react, typescript
- **Infra:** docker, kubernetes, terraform, gcp, github actions
- **Tools:** sway, nvim, kitty

EDUCATION

- Master's, Software Engineering · Ynov Bordeaux · 2020 - 2022
- Bachelor's, Programming · Ynov Bordeaux · 2019 - 2020
- BTS Digital Systems, apprenticeship · CFAI Bruges · 2017 - 2019

REFERENCES

- Rémi Koenig · founder of Mimem.AI, my lead dev at Delfox · linkedin.com/in/rémi-koenig-75a83559
- Vincent Poulailleau · freelance, one of my first teachers · linkedin.com/in/vpoulailleau
- Thierry Quatre · Sup de Vinci, my manager at Web Design Marchand · linkedin.com/in/thierry-quatre-72a59a66