THOMAS FRÖSSMAN

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Selected employers and projects

- **Divio AB**—Remote (SAAS application hosting platform, divio.com)
  Software development: November 2025-Present
  - Backend API development in Python/Django.

- **Tracklib AB**—Stockholm, Sweden (Music samples/stems web store, tracklib.com)
  Software development: January 2023-November 2025
  - Worked on on HTTP REST API's primarily in Python/Django.
  - Also worked on a smaller amount of TypeScript and Go projects.
  - The primary database is PostgreSQL but we also use DynamoDB, S3, OpenSearch, Redis, Memcached and others for various storage needs.
  - AWS stack primarily built around ECS and lots of AWS managed services in Terraform.
  - Worked within Payments/Subscription management, user revenue reporting and general new feature development and maintenance. .

- **23C**—Stockholm, Sweden (Various roles, 23c.se)
  Software development: May, 2012–December, 2022
  - Most of the work has been Python, Django, Go, JS, HTML, CSS contracting for many different customers.
  - Built and maintain operations infrastructure for internal and customer deployments using Docker, Drone CI, Ansible, Terraform, Prometheus and Grafana.
  - Mentoring junior programmers.
  - Working in small, medium and large code bases.

  Labelcaster AB (Music label digital catalog distribution service, labelcaster.com)
  Development: January, 2020—December, 2022
  - Developed an accounting/share distribution/royalty accounting/payout service in Go and PostgreSQL.
  - Developed an cover art generator in TypeScript.
  - Developed an PDF cryptographic signing service in Kotlin/javalin/junit.

  Tracklib AB (Music samples/stems web store, tracklib.com)
  Devops/Development: July, 2019—September, 2022
  - Improve CI/CD processes using Drone, Gitlab CI on AWS/ECS.
  - Import and manage the AWS infrastructure into Terraform resources.
  - General system maintenance.
  - Some development, primarily in Python and Go.

  Baemingo/Min Go AB (POS/web shop systems, baemingo.com)
  Software development: January-April, 2020
  - Wrote various pieces of react native/react code in TypeScript.
  - Introduced Cypress for testing a react web app.
  - Worked on improving Travis CI/project linting.

  Tracklib AB (Music samples/stems web store, tracklib.com)
  Development: September, 2015-April, 2016
  - Wrote a batch processing application for audio files for Python/Django.

- **Snowfish/Tunigo**—Stockholm, Sweden (Various roles)
  Software development: March, 2007–May, 2012
  - The company was acquired by Spotify in 2013 - article
  - Worked within all stages of a growing stack of web based systems.
  - Responsible for application design, implementation, support, documentation, testing, packaging, deployment, hosting, security and monitoring.
  - Designed, implemented and evolved multiple applications and services mostly using Java, Jboss, Hibernate/MySQL, HTML/CSS and GWT.
  - Created Debian based deployment using APT with Jboss/application packaging.
  - Developed/Supported WordPress based sites with custom themes/plugins using PHP, HTML, CSS, JavaScript, jQuery.
  - Designed client based application platform (Spotify app) using CoffeeScript (JS) custom build management using Cake/Node.

Selected open source participations

- **Django Minio storage**—github.com/py-pa/django-minio-storage
  Maintainer and main developer (2017-Present)
  - Django file storage implementation supporting Minio S3 object storage.
  - Language: Python
  - Framework: Django
  - Uses tox and pytest to test multiple version combinations of Django/Python/minio-py.
  - Uses GitHub actions as CI for running tests and doing PyPI releases.

- **Natbwmon**—github.com/some-programs/natbwmon
  Maintainer and single developer (2020-Present)
  - Natbwmon in an Linux NAT router bandwidth usage monitor.
  - Language: Go

- **Imagor**—github.com/cshum/imagor
  Contributions (2022)
  - Imagor is an Image resizing and processing HTTP service.
  - Language: Go

  Patches
  Two contributions created as a part of a company evaluation and adoption of Imagor
  - add network blocking support in HTTP loader
    Protect against Server-Side Request Forgery (SSRF) attacks.
  - forbid redirects to non allowed URLs
    A fix to the allowed sources feature that also checks redirects.

Other activities

- I have been programming since the late 80s since I was about 9 years old and never took a break since then.
- I have to varying degrees been involved with non profit organizations and contexts around social/cultural politics and the Art world.
- Co-represented projects for Manifesta 7 and the Vennice Biennale 2009 as a part of a artist/hacker collective.
- DJing / VJing / Making videos / Internet art / Performances, mostly active in the early to mid 00s.
- Was a member of the PC demo scene in the mid 90s to early 00s.
- I like fiddle in making music.

On skills and knowledge..

- Almost anything is easy but takes varying amount of time to implement or master.
- To stay **proficient in** *something* means long term diversified exposure.
- To be **familiar with** *something* implies solving of non trivial tasks.
- To have a **faded relation with** *something* means that I have worked with it a lot in the past but much of it is probably forgotten by now.

Skills

- **Speaks and writes:** Swedish, English
- **Operating systems:** Proficient in Ubuntu/Debian, Amazon Linux, MacOS, IOS. Familiar with Android, Windows, CentOS...
- **Programming languages:**
  - Proficient in Python, Go, PostgreSQL, JS, TypeScript, Shell scripting
  - Familiar with Emacs Lisp
  - Faded relation with Lisp, Java, Ruby, Haskell, C, C++, SuperCollider, MySQL, Pascal, PHP, Perl, x86/6502 assembler...
- **Web related frameworks and libraries:**
  - Familiar with NodeJS, React
  - Faded relation with WordPress, GWT, JSF, Jboss, Ruby on rails, Jekyll
- **Document standards and markup languages:**
  - Proficient in HTML, XML, Markdown, OrgMode, godoc
  - Familiar with CSS, SASS/SCSS
  - Faded relation with Sphinx, Javadoc
- **Web servers:**
  - Proficient in Django, Nginx, Traefik, uwsgi, gunicorn, uvicorn
  - Faded relation with Apache httpd, Apache Tomcat
- **Project/Build automation:**
  - Proficient in Python packaging, Go modules, Docker
  - Faded relation with Gradle, Maven, Ant
- **Source code management:**
  - Proficient in Git
  - Faded relation with Mercurial, Subversion, CVS, DARCS
- **Project management/issue tracking:**
  - Proficient in GitHub, Gitlab, Jira, Notion
- **CI/CD:**
  - Proficient in Drone, GitHub Actions
  - Familiar with Gitlab
  - Faded relation with CircleCI, Travis, Jenkins
- **Test frameworks:**
  - Proficient in Go test, pytest, tox, unittest, Cypress
- **Provisioning/infrastructure:**
  - Proficient in Ansible, Terraform