

THOMAS FRÖSSMAN

Nyforsgatan 7C, 632 25 Eskilstuna

<https://t.jossystem.se/>; +46 704666133; thomasf@jossystem.se

Employers and work projects

- **Tracklib AB**—Stockholm, Sweden (Music samples/stems web store, tracklib.com)
Software development: January 2023-Present
 - 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.
 - Data warehouse/business analytics with Snowflake
 - 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 a 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.
- **Social media booster** (Quick Facebook ads creation)
Software development: January, 2019-2020
 - Wrote most of the Python/Django parts and some of the JS.
 - Created a web page crawler system to fetch/extract job listings from end customer pages.
 - Working with Facebook marketing API's.
- **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

- Have been programming since the late 80s in a wide range of languages and hardware's.
- To varying degrees been involved with non profit organizations and contexts around social/cultural politics, 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 to various degrees since the late 1990's.
- Was a member of the PC demo scene.

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
- **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 Jboss AS 4.x, Apache httpd, Apache Tomcat
- **Project/Build automation:**
 - Proficient in Python packaging, Go modules, Docker
 - Familiar with Gradle
 - Faded relation with Maven, Ant
- **Source code management:**
 - Proficient in Git
 - Faded relation with Mercurial, Subversion, CVS, DARCS
- **Project management/issue tracking:**
 - Proficient in GitHub, Gitlab, Jira
- **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