

Employment

Software Engineer

AppTweak

Sept 2022 – Present

- Lead development with Ruby-on-Rails in multiple projects such as a public API, including maintenance and creation of new endpoints using micro-services.
- Focus on optimising automated testing using RSpec with Ruby-on-Rails.
- Introduced company-wide conventions and standards for software development using Ruby-on-Rails and RSpec.
- Designed, developed and maintain solution to automatically export data onto a dedicated database or client's bucket on AWS or Google Cloud Storage.
- Led integration of external data provider from database architecture and backend service including workers and APIs, to serving it to the end user using React and Typescript.
- Designed database architecture in relational databases like MySQL and PostgreSQL, and in OLAP databases like Amazon Redshift and Clickhouse.
- Strong contribution to project management using Scrum (Agile) methodologies, leading ceremonies in the cross-functional team.

Internship: Fullstack Developer

AppTweak

Jul 2021 – Sept 2021

- Led development and design of a discovery project end-to-end
- Communicated with many stakeholders to understand and design the solution.
- Handled both front-end and back-end development, emphasizing scalable and robust code.
- Implemented solution using Ruby, Ruby-on-Rails and React.

Certifications

- Professional Scrum Master I (**PSM I**) from Scrum.org on August 13th, 2024
- AWS Certified Cloud Practitioner from Amazon Web Services (AWS) on September 13th, 2024

Education

Brussels, Belgium

Université Libre de Bruxelles

Sept 2017 – Jul 2022

- M.S. in Computer Engineering, **Magna Cum Laude**. Focus on Machine Learning, AI, and Databases Architecture.
- B.S. in Engineering, **Summa Cum Laude**. Comprehensive coursework in computer science, mathematics, and engineering fundamentals.

Open-source project contributions

- ruby/prism, rubocop-sequel, sidekiq-cron, pokerogue

Skills

- **Languages:** Ruby, JavaScript, Python, SQL, HTML, CSS, TypeScript, Java, C++.
- **Frameworks/Libraries:** Ruby-on-Rails, React, Sinatra, RSpec, Sidekiq, Grape.
- **Project management:** SCRUM (Agile).
- **Technologies:** MySQL, PostgreSQL, Clickhouse, Amazon Redshift, Amazon S3, Google Cloud Storage, Redis, Docker, Git, GitHub, GitHub Actions, JIRA, Slack.

Projects

- **Personal website:** Single-page website used as a portfolio (francktrouillez.com). HTML, CSS.
- **GitHub Actions:** auto-localize, auto-tag-sync, auto-bump-version-file. GitHub Actions, Docker, Python.