

# Toon Claes

*class Developer*

*Herentals*

✉ [toon@iotcl.com](mailto:toon@iotcl.com)

📄 [iotcl.com](http://iotcl.com)

*October 27, 1985*

## Working Experience

### Full-time

2017–present **Senior Backend Engineer**, *GitLab*, remote.

Backend development in Ruby on Rails & Go

2020–present Go development of Gitaly RPC service for Git

2017–2020 Rails development of GitLab Geo

Achievements & Responsibilities:

- Maintenance and building performance improvements to Git repository hosting.
- Collaborate on the mailing list to upstream changes to Git
- Rollout of GitLab Geo at GitLab.com scale to migrate across cloud providers.
- Final responsible reviewer of database related code and SQL query performance.

2015–2016 **Developer**, *10to1*, Antwerp.

Mobile application development in iOS & Ruby on Rails.

Achievements:

- iOS: Objective-C & Swift, UIKit, Realm.io
- Ruby on Rails: Devise, PostgreSQL
- jQuery & Ember.js

2008–2015 **Software engineer**, *Tokheim*, Turnhout.

Software development for embedded Linux outdoor payment devices.

Achievements:

- Linux driver programming
- Hardware integration
- Event-driven & object-oriented application design in C++
- Design & implementation of software authentication & encryption
- Maintenance & Certification of EMV Level 2 Contact Terminal Application Kernel

### Summer & Weekend job

2001–2008 **Worker at plant farm**, *Rombouts bvba*, Achel.

## Education

2003–2008 **Master of Science, Electronics — ICT**, *KHK*, Geel.

Master thesis:

*Limited vocabulary speech recognition with Support Vector Machines*

*Prototype development in MATLAB*

1999–2003 **Industrial Sciences, WICO** — *Campus TIO*, Overpelt.

## Skills & Knowledge

### Programming

Go & gRPC

Ruby & Ruby on Rails

PostgreSQL, Redis, Sidekiq

C & C++, Objective-C

GNU Make, Shell scripting, Emacs Lisp

### Applications

GNU Emacs, Xcode, git, gdb

## Social skills

### Youth organisation

2020–present Member of parent council.

2002–2005 3 year leader, including 2 year head leader.

### Student society

2004–2008 4 year active member of the executive committee.

## Languages

Dutch native

English very good

## Interests

### Computering

Git Participate on the Git mailing list

GNU Emacs Tune GNU Emacs with Emacs Lisp

Web Small websites for relatives & friends, or experiments  
e.g. git-me.tech, theater92.be, trabsolute.events,

### Other

Sport Speed & inline skating, Running

## Personal Objectives

- Be a technical guru
- Contribute to Free and Open Source software like Git and GNU Emacs
- Create my own (esoteric) programming language
- Enjoy doing the things I do
- Be a good father for my three kids