

Disclaimer

This document is an incomplete CV, listing only the relevant parts for consideration for a individual contributor role. Please find other CVs at <https://cs-syd.eu/cv>.

Experience

- Technical director and Chief Technology Officer – Orbis and Ardana** Remote
2022-01 - 2022-11
- Led a team of leaders, totalling over 40 Engineers
- Technical Leader and Senior Engineering Manager – Feeld** Remote, Zuerich, CH
2021-02 - 2022-01
- Grew my team from 3 to 9 people in 6 months.
 - Increased engineering velocity from multi-month release cycles to sub-week.
 - Reduced incidents from multiple per week to none for months.
- Technical Writer – Human Readable Magazine** Remote
2019-12 - 2020-02
- Dealing with Friday the 13th - Issue 2
 - An Introduction to Property-based testing - Issue 3
- External examiner – HSR** Rapperswil, CH
2019-11 - 2022-06
- OpenAPI3 Bindings for Stripe
 - Codepanorama is a code-review
- Technical Leader and Engineering Manager – FP Complete** Remote, Zuerich, CH
2017-09 - 2021-02
- Led the year-long Cardano audit project covering multiple domains on a security sensitive project, delivering monthly reports
 - Led the Hedera audit project of a fourth-generation crypto currency.
 - Defined new Quality Assurance standards for ongoing customer and internal work
 - Engineering education via webinars, blog posts, and open source activities
- Founder and Technical Leader – CS Kerckhove** Remote
2016-12 - present
- Comprehensive restructuring of engineering practices during a three month leadership overhaul for E-bot7
 - Nix DevOps consulting for Niteo and Relu
 - A registration tool, responsible for over 300K in revenue, used by the parents of over 600 students for PAESMOL
 - <https://worldwideempathyformedics.org>: A crisis tool for moral support during COVID-19 used by hundreds of doctors
- Software Engineering Intern – Facebook** London, UK
2016-06 - 2016-09
- In-house EDSL for type-safe graph traversal queries as part of a billion-queries-per-second service
 - Improved the safety of the abuse detection system to prevent millions of errors per second
- Software Engineering Intern – Google** London, UK
2015-06 - 2015-09
- Sped up online reconfiguration of a global service by 100x.
- Robotics Research Intern – KU Leuven** Leuven, BE
2014-07 - 2014-09
- Implemented a proof of concept of a combination of the HDF5 data model and the LAPACK/BLAS library in C.

Products

CS SYD: Personal blog, website, landing pages

<https://cs-syd.eu>

Haskell, Nix, NixOps, Yesod, Bulma

- over 1000 monthly active readers
- more than 100 technical and non-technical blogposts

Social Dance Today: Party index for social dance parties worldwide

<https://social-dance.today>

Haskell, Nix, NixOps, Yesod, Bulma

- over 3000 monthly active users
- over 2000 parties per week

Smos: Comprehensive Self-management System

<https://smos.online>

Haskell, Nix, NixOps, Sydtest, QuickCheck, Validity, Yesod, Servant, Brick, Bulma

- A web UI, API server, TUI, CLI and library
- Principal part of CS SYD self-magement training: <https://cs-syd.eu/self-management>

Intray: Getting Things Done capture tool

<https://intray.eu>

Haskell, Nix, NixOps, Sydtest, Yesod, Servant

- Successfully monetised using Stripe
- Custom API-based integrations for use as a personal notification service

Tickler: Getting Things Done tickler system

<https://tickler.cs-syd.eu>

Haskell, Nix, NixOps, Sydtest, Yesod, Servant

- Successfully monetised using Stripe

Haskell Templates by CS SYD: Paid starting points

<https://templates.cs-syd.eu>

Haskell, Nix, NixOps, Yesod, Servant

Education

Master of Engineering – ETH Zuerich

2016-09-21 - 2017-09-07

Focus: Program Analysis and Synthesis

Erasmus Exchange – ETH Zuerich

2015-09-14 - 2016-06-03

Won the only nomination

Bachelor of Science – KU Leuven

2012-09-25 - 2015-06-19

Focus: Abstract Mathematics