Lorenz van Herwaarden
Tech Lead at Qlik

Email	lorenz.van.herwaarden@gmail.com
LinkedIn	linkedin.com/in/lorenzvanherwaarden
Github	github.com/lorenzvanherwaarden
Personal website	lorenzvanherwaarden.github.io

Skills

Programming languages	JavaScript, TypeScript, Java, Python
Frameworks	Vue.js, React.js
JavaScript highlight	Web Components, Canvas API
Design	HTML, CSS, Sketch, Design Systems
Tools	Webpack, Vite, Rollup, Github Actions
Testing	Cypress, Jest, Playwright
Databases	SQL, MongoDB

Work Experience

Qlik, Ghent | Tech Lead | 09/2022 - Present
- Tech Lead (frontend) of Qlik Application Automation

Qlik, Ghent | Software Engineer II | 11/2020 - 09/2022
- Split off frontend code from monolith in to a Micro Frontend and UI library using Vue.js and SingleSPA
- Support both Qlik Cloud and legacy use cases with a new release process
- Redesigned automations rendering from HTML elements to using the Canvas API
- Implemented undo/redo support with Proxy
- Added browser testing with Cypress

Blendr.io (acquired by Qlik), Ghent | Frontend Engineer | 04/2020 - 11/2020
- Lead total redesign of the platform by creating a design system and developing a component library in Vue.js
- Implemented white-labeling solution using CSS custom properties, allowing >30 SaaS customers to provide a personalized embedding experience of Blendr.io for their users
- Implemented a redesigned drag-and-drop experience for blocks
- Refactored and redesigned flow for creating connections with OAuth

Deloitte Digital, Brussels | Frontend Engineer | 09/2018 - 04/2020
- Acted as Frontend Tech Lead on www.lez.brussels - developed website combining content, requests and simulation tools for the Low Emission Zone in Brussels in React.js
- Acted as Frontend Engineer on www.MyTax.brussels - developed Brussels property tax platform for payment and info

Moovle, Brussels | Co-founder & iOS Engineer | 06/2017 - 06/2018
- Architected and developed native iOS app, assisted in developing Android app
- Deployed apps to Google Play Store and Apple App Store
- Assisted in Product Design & designed app UI

Sharda University, Delhi | Machine Learning Intern | 07/2017 - 08/2017
- Researched low-cost face clustering with neural network features using TensorFlow and ConvNets

Château de Peyrolles, France | Web Designer | 07/2008, 12/2016, 07/2019
- Designed and developed website for the rental of holiday homes in the South of France: www.chateaudepeyrolles.com
- Made changes over the years to support Responsive Web Design and switch to using React.js

Education

Master of Science in Computer Science Engineering, Graduation Year 2018
Ghent University, Ghent
Magna Cum Laude

- Wrote thesis about "Athlete monitoring through context-aware training schemes"
- Among the courses I followed: Software Architecture, Machine Learning, Design of Multimedia Applications, Big Data Science, and Introduction to Entrepreneurship

Bachelor of Science in Engineering: Computer Science, Graduation Year 2016
Ghent University, Ghent
Cum Laude

Projects

Runamic
As part of the course Design Project, Runamic was created by 8 Computer Science Engineering students from Ghent University. Runamic is a running app with two distinctive features: it generates routes based on the user's preferences and it can dynamically change that route while running through user interaction or heart rate.