

Software Engineer with substantial experience in guiding architecture, development and operations. I can pick up vague goals and solve them in secure, scalable ways by rallying a team around me and getting my own hands dirty.

Work Experience

Software engineer **In The Pocket** **Dec 2019–Present**
Leuven, Belgium

- Built an IoT web app on AWS for TP Vision (Phillips), a video processing pipeline on GCP for The Park (Telenet), and a FinTech mobile app on Sentia for Didid (BNP Paribas Fortis). I also consulted on the website of ITSME.
- Reworked architecture to reduce operating cost by 75%, from ± 2 dollars to ± 50 cents per display per month.
- Involved in recruitment, mentoring interns and education through technical talks.

Lead Software Engineer **THEO Technologies** **Mar 2018–2019**
Leuven, Belgium

- Led a team of five to twelve engineers and evolved our way of working for sustained growth.
- Acted as Scrum Master and in the last few months coached two other teams in agile software development.
- Implemented a variety of features, most notably the rework of DASH buffering algorithm and Verizon integration.

Software Engineer **THEO Technologies** **Sep 2017–2018**
Leuven, Belgium

- Ensured consistent playback across all major browsers by building workarounds for W3C specification deviations.
- Built caching API (preload/offline capabilities) and a variety of advertisements, analytics and DRM integrations.
- Maintained iOS SDK and reworked Android SDK from WebView to a shared JavaScript core with native playback.

Software Engineer internships **Summer 2016 / Autumn 2015 / Summer 2015**

- **ACA IT-Solutions:** Containerized a dozen microservices, built developer tools and centralized logging/metrics.
- **Eventigrate:** Designed Sankey visualization and implemented it with D3js.
- **THEO Technologies:** Extended video player with multiple audio tracks, metric caching and social media sharing.

Technologies and Languages

- Languages: Preferred TypeScript, or whatever language necessary to get the job done.
- Technologies: React, React Native, Node.js, GCP, AWS, Terraform, Postgres, MongoDB, GraphQL, gRPC, OAuth.
- Kubernetes: Kustomize, Argo CD, Istio, Linkerd, Prometheus, Loki, Grafana, Sealed secrets, MinIO, Helm.

Education

- **M.Sc. Computer Science**, University of Leuven, Belgium. **2015–2017**
- **B.Sc. Computer Science**, University of Leuven, Belgium. **2012–2015**

Miscellaneous

- **Technical blog:** [Articles about agile and cloud](#), including publication in the [CNCf's KubeWeekly newsletter](#).
- **Open source:** A project just for fun, [Keat - progressive, Kubernetes-native feature flags](#).
- **Certifications:** [Professional Scrum Master 2](#) and [Google Certified Professional - Cloud Developer](#).
- **Scientific Publication:** After finishing university, I continued a collaboration to get my master thesis published: *Delnat, W., Truyen, E., Rafique, A., Van Landuyt, D., & Joosen, W. (2018, May). K8-Scalar: a workbench to compare autoscalers for container-orchestrated database clusters. In 2018 IEEE/ACM 13th International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS) (pp. 33-39). IEEE.*