

Michael Klein

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Accomplished **Front-End Manager**, **Front-End Architect** and **Full-Stack Engineer** with over a decade of experience in developing and architecting high-performance web applications. Proven leader in driving major technical transformations, including architecting and executing a full AngularJS to React rewrite. Combines deep expertise in modern front-end frameworks with full-stack and significant technical leadership experience.

PROFESSIONAL EXPERIENCE

Hootsuite

LUXEMBOURG, LUXEMBOURG

Manager, Software Development

Mai 2024 – present

- After Talkwalker acquisition by Hootsuite, led the planning and end-to-end technical implementation of the new Hootsuite Listening application, based on Talkwalker technology, successfully delivering the complex application in just three months.
- Continued to lead and integrate within Hootsuite the Talkwalker front-end team post acquisition
- Provided technical oversight, planning, and execution leadership for a cross-functional team of ~10 engineers, working closely with product management on strategic project delivery.
- Spearheaded the integration of Talkwalker development teams in the Hootsuite support process, including enablement in Jira through automations, training of engineers and constant supervision of ongoing processes.
- Served as key technical figure in a highly technical project, planning, architecting and implementing a next generation product, combining Talkwalker and Hootsuite capabilities. Also managed the front-end engineering team working on the project.
- Handled procurement of and planned and oversaw technical implementation of integrating Highcharts into Talkwalker and Hootsuite products

Literrific

LUXEMBOURG, LUXEMBOURG

Consultant (side project)

2024 – present

- Literrific is a SAAS platform for automated, AI driven literary assessments that equips educators with the data they need to make informed instructional decisions.
- As a consultant, architected and implemented the customer facing administration and student assessment software (full-stack)
- Set up cloud deployment pipelines
- Technologies used: TypeScript, Node.js, React, PostgreSQL (Supabase), Vercel, Cloudflare

Talkwalker

LUXEMBOURG, LUXEMBOURG

Manager, Software Engineering in Product & Technology

Jun 2023 – Mai 2024

Senior Manager, Software Engineering in Product & Technology

Mar 2023 – Jun 2023

- Directed the Talkwalker Front-End department, overseeing team performance, technology stack decisions, and the delivery of high-quality, scalable user interfaces.
- In close collaboration with a product manager, lead a cross-functional team of engineers to deliver high quality features for the Talkwalker platform.
- Served as hiring manager, interviewing and hiring candidates, as well as helping shape the hiring processes. Represented Talkwalker at job fairs.
- Integral part of the “sustenance taskforce”, defining and implementing the internal OLA for bug ticket resolution in order to improve customer satisfaction. Trained Talkwalker engineering team on the new process, supported them with gitlab automations and continuously monitored the status of tickets.
- Also managed the Talkwalker DevOps and QA teams.

Talkwalker

LUXEMBOURG, LUXEMBOURG

Front-End Architect, Senior Software Engineer

Mar 2022 – Mar 2023

Software Development Engineer

Jan 2017 – Mar 2022

- Drove and architected the full, highly successful rewrite of the core platform from legacy AngularJS to modern React, establishing the company's future technology standard. Implemented most of the core features, pages and data flows.
- As part of the React rewrite, collaborated with the backend team to create a custom protobuf based API layer with full end to end type safety.
- Designed and implemented highly complex systems such as a centralized React data store and data fetching solution, a high performance, low level canvas charting library, which to this day powers many of the complex charts in the Talkwalker dashboard.
- Designed, implemented and handled deployment for the Talkwalker mobile app, a combination of React Native and a custom webview of the main Talkwalker application.
- Helped create and instill a strong testing culture across the engineering department.
- Conceptualized and implemented a new design system and component library with the design team
- Continuously championed accessibility improvements.

wondermags Saràl

WASSERBILLIG, LUXEMBOURG

Front-End Developer

2015 – Dec 2016

art::raktiv Trier

TRIER, GERMANY

Full-Stack Web Developer

2013 – 2015

EDUCATION

HOCHSCHULE TRIER

Master of Science (M.Sc.), information science/business informatics

TRIER, GERMANY

2013-2015

HOCHSCHULE TRIER

Bachelor of Science (B.Sc.), business informatics

TRIER, GERMANY

2008-2013

UNIVERSITÄT DES SAARLANDES

Bachelor of Science (B.Sc.), business informatics

SAARBRÜCKEN, GERMANY

2008-2013

TECHNOLOGIES AND SKILLS

- **Languages/Frameworks:** HTML/CSS, JavaScript/TypeScript (browser, Node.JS), React, Angular, SolidJS, Vue
- **Databases:** PostgreSQL (Relational), MongoDB (NoSQL), DynamoDB (NoSQL)
- **Tools/Practices:** UI/UX, CI/CD, accessibility, (automated) testing, Vite, Docker, Git, Jira, Confluence, agile methodologies, Storybook
- **Deployment/Observability:** Cloud Deployments (Vercel, AWS, Cloudflare, Supabase), observability (Sentry, Pendo)

LANGUAGES

Professional Working Proficiency in English, German (native)