



Sébastien SCHAEFFLER

Team Lead, Solution Architect, Principal Software Engineer

Established team lead with 23 years of experience in software engineering, implementing high performance, scalable backend and frontend services. Expertise in solution architecture, cloud native platforms, delivering challenging project timelines and leading on-site and remote teams.

ABOUT

schaeffler.dev
github.com/sebschaeffler

Luxembourg
France
Remote/Hybrid

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WORK EXPERIENCE

Deutsche Börse - Group Marketplace - Kirchberg (LU)

Solution architect and principal engineer — Nov 2024-Present

As Solution Architect, I designed secure and performant customer-facing applications. Additionally, my duties as Principal Software Engineer include:

- Collaborating with Business and IT stakeholders to define requirements, technical specifications and integration with legacy and new systems.
- Defining the technology stack, building abstractions, preparing the GCP cloud infrastructure, and integrating with group SSO, SAML, OAuth2, and OIDC; driving the API strategy and implementing frontend applications.
- Establishing the new design system for Deutsche Börse customer-facing applications, including its implementation in React.
- Leveraging AI tools for customer support, chatbots and monitoring.

LANGUAGES

- French (native)
- English (fluent)
- German (basic)

Clearstream Fund Services - CFS Banking Portal - Kirchberg (LU)

Team lead and solution architect — Nov 2023-Nov 2024 (1 year)

As application owner deputy of Clearstream Fund Banking Portal and lead of three squads, including offshore teams in India, I was responsible for:

- Git, Github
- Jira, Confluence
- Agile, SCRUM: time management, 2-week sprints, reporting
- Effective communication
Github and office 365

- Establishing the solution architecture of the customer-facing applications, ensuring security (SSO, OAuth2, OIDC) and performance.
- Leading diverse and remote squads, integrating and delivering all customer-facing applications for the initial release and two subsequent releases while migrating clients to this new platform.
- Contributing to the roadmap, planning, and prioritizing features and enhancements, ensuring production support.
- Driving the UI/UX initiative and implementing a new design system for Clearstream.

SKILLS / TOOLS

FRONTEND

- Typescript
- ReactJS
- NextJS
- NodeJS
- SolidJS
- VueJS
- Angular
- Tanstack ecosystem:
Start,
Router,
Query.
- Webpack/Vite

Digital Business Platform - Kirchberg (LU)

Solution architect and Frontend Lead — 2017-Nov 2023 (6 years)

As a co-founder of the "Digital Business Platform", I architected and implemented a solution for the Group foray into the API economy.

In addition to a modern and user-friendly developer portal, our API Gateway is a cloud-native application featuring first-class authentication services (e.g. 2-way SSL, OAuth2, OpenID Connect), flexible policies (e.g. rate limiting) and reporting.

- Frontend Tech Lead: React, Typescript, NextJS, OAuth2, OIDC.
- Cloud infrastructure: AWS, Kubernetes, Terraform, Docker, Python.
- Backend development: Micro-services, GoLang, NodeJS.

 <https://developer.deutsche-boerse.com>

CLOUD / DEVOPS

- AWS, GCP
- Kubernetes
- Docker
- Terraform
- CI/CD:
Github Actions,
CircleCI,
Concourse,
Jenkins

Clearstream Services - Connectivity - Kirchberg (LU)

Senior software engineer - Frontend Tech Lead — 2005-2017 (12 years)

Clearstream Xact Portal is the connectivity channel (Collateral Management system and Settlement services) for internal operations, customers and partners. Clearstream Xact Mobile application is an extension of Xact Portal.

- Frontend Lead: Javascript, NodeJS, iOS (Swift), Android (Java).
- Backend, infrastructure: Java, Shell script, JBossAS.

 <https://xact.clearstream.com/>

BACKEND

- GoLang
- Protocol Buffers
- Java, Springboot
- REST API
- Python
- Shell scripts

Société Européenne des Satellites - Betzdorf (LU)

Software engineer — 2002-2005 (3 years)

Full stack frontend, backend and infrastructure on premise. Proprietary technologies in C++.

HOBBIES

Loki, my Shiba

Tennis

Tech

Travel

EDUCATION

Master in Computer Science. Nancy, France.
Ranked first with honors in 2022.
