

Alex Rempel

Fullstack | Angular Frontend Architect/Senior/Lead

Introduction

Freelancer since 2010, I develop anything a client needs, frontend or backend. My excellent expertise in Angular framework since 2017 allows me to completely take over development of Intranet SPAs, Internet Web Applications, ECommerce SSR Frontends with SEO and professional libraries including API, testing, documentation and training of the staff.

Personal Info

geboren am	:	18.01.1981
in	:	Kinel (Russia)
Staatsangehörigkeit	:	German
Familienstand	:	married
Sprachen	:	Russian (mother tongue), German (second mother tongue), English (fluent, spoken and written)



Highest Education

11/2005 – 08/2007	:	Master of Computer Science (HDA Darmstadt)
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Experience

10/2004 – 05/2005	:	work exp., bachelor th., Fraunhofer Inst. (IGD Darmstadt)
08/2005 – 10/2005	:	work exp., T-Systems
09/2006 – 05/2007	:	work exp., master th., „keen games“
09/2007 – 03/2009	:	programmer, „rocketscience games development GmbH“
04/2009 – 08/2010	:	software developer, „Advancis Software&Services“
10/2010 – today	:	Freelancer (software development), proprietor of „devdroy“
10/2010 – 03/2011	:	lectureship, HDA Darmstadt (computer science)
05/2011 – 03/2013	:	freelance software developer, „EA Phenomic“
06/2013 – 12/2014	:	freelance software developer, „Jeppesen Norway AS“
03/2015 – 12/2015	:	freelance software developer, „Envision Entertainment“
02/2016 – 09/2016	:	freelance software developer, „livedooh“
10/2016 – 04/2017	:	freelance software developer, „Mediatis“
05/2017 – 03/2019	:	freelance software architect, „DB Energie“
04/2019 – 09/2020	:	freelance software architect, „KION GROUP AG“
01/2021 – 06/2021	:	freelance software architect, „KION GROUP AG“
07/2021 – 12/2024	:	freelance software architect, „RWE Supply“
03/2023 – 12/2023	:	freelance software architect, „KION GROUP AG“
06/2024 – 12/2024	:	freelance software architect, „RWE Trading“

Project Summary

(chronologically descending, see profile for more details)

07/2024 – 12/2024, RWE Trading

CurveCraft (part-time)

- Designed, planned, and implemented a sophisticated UX solution for RWE traders operating on the trading floor, addressing the challenge of translating Excel-based workflows into a modern, streamlined UI while adhering to RWE's styling guidelines
- SPA Angular Client, HTML5/CSS3, Typescript, RXJS, ECharts, REST, C#, PostgreSQL, OAuth2

07/2021 – 12/2024, RWE Supply (multiple projects, sometimes part-time)

BIC (2021, Frontend Senior)

- Application for managing energy assets, including wind parks, gas-powered generators, and other infrastructure
- SPA Angular Client, HTML5/CSS3, Typescript, RXJS, REST, C#, PostgreSQL, OAuth2

Unity (continuous development and maintenance, Tech Architect and Lead)

- Helped to design and led the implementation of an RWE corporation-wide library, a comprehensive Angular utility library supporting teams across all RWE divisions in creating efficient, consistent, and scalable applications
- Angular Library, HTML5/CSS3, Typescript, RXJS, NodeJS, Showcase SPA, Angular Material, UI Components/Directives/Pipes/Utils etc., OAuth2

DCentral (2022 – 2023, Frontend Architect and Lead)

- Application for regulating energy-generating assets, designed as a dashboard to provide real-time insights and streamlined workflows for on-site operations
- SPA Angular Client, HTML5/CSS3, Typescript, RXJS, ECharts, REST, C#, PostgreSQL, OAuth2

ForecastView (2022 – 2023, Frontend Architect and Lead)

- Developed a tailored application for forecasting energy consumption, addressing complex, asset-specific rules based on commodity types such as gas and electricity
- SPA Angular Client, HTML5/CSS3, Typescript, RXJS, REST, C#, PostgreSQL, OAuth2

DataView (2023 – 2024, Frontend Senior)

- Developed an application designed for the external viewing of "curve" data, representing energy or trading number vectors
- SPA Angular Client, HTML5/CSS3, Typescript, RXJS, REST, C#, PostgreSQL, OAuth2

PortfolioView (2023 – 2024, Frontend Senior)

- Designed and developed an application for managing user portfolios, enabling the regulation of access to assets such as generators, areas, and energy delivery points
- SPA Angular Client, HTML5/CSS3, Typescript, RXJS, REST, C#, PostgreSQL, OAuth2

ContractWizard (2023 – 2024, part-time, Frontend Architect and Lead)

- Developed a highly sophisticated application for generating business contracts, where each step dynamically adapts based on previous inputs, culminating in a draft contract tailored to specific requirements
- SPA Angular Client, HTML5/CSS3, Typescript, RXJS, REST, C#, MongoDB, OAuth2, AngularJS Legacy

ViewAdmin (2023 – 2024, part-time, Frontend Senior)

- Developed an application designed to manage and administer various other applications, including portfolio registrations, user access, and asset maintenance
- SPA Angular Client, HTML5/CSS3, Typescript, RXJS, REST, C#, OAuth2

03/2023 – 12/2023, KION Group AG (part-time)

ECommerce Webshop for forklifts (Frontend Senior)

- Hired specifically for my expertise in legacy system optimization, I led the efforts to address various issues within a large, complex eCommerce application for KION, a webshop for buying or renting forklifts and parts
- SPA Angular Client, HTML5/CSS3, Typescript, RXJS, Oauth2, SSR, SEO, Multibrand, Monorepo

01/2021 – 06/2021, KION Group AG

ALE (Frontend Architect and Lead)

- Distributed solution for management, sale and rent of forklifts and accessories
- SPA Angular Clients, Angular Libraries, HTML5/CSS3, Typescript, RXJS, REST, Oauth2, Microfrontends, PrimeNG

04/2019 – 08/2020, KION Group AG

PURE (Frontend Architect and Lead)

- Distributed solution for management, sale and rent of forklifts and accessories
- SPA Angular Clients, Angular Libraries, HTML5/CSS3, Typescript, RXJS, REST, Oauth2, SSR, Microfrontends, PrimeNG, Java

05/2017 – 03/2019, DB Energie

Intranet Application (Frontend Architect and Lead)

- Dashboard solution with forms and overviews of train energy consumption
- SPA Angular Client, HTML5/CSS3, Typescript, RXJS, Material, REST, SOAP, D3.js

10/2016 – 04/2017, Mediatis

Document Repository and Management (Fullstack Senior)

- Offline Web Application for management of documents incl. versioning and editing
- SPA AngularJS Client, HTML5/CSS3, Typescript, C#, SQL DB, IndexedDB, PWA

02/2016 – 09/2016, livedooh

Marketing Media Registration (Fullstack Developer)

- Application for registering and upload of marketing media
- SPA AngularJS Client, HTML5/CSS3, Javascript, C#, MongoDB

Marketing Media Player (Fullstack Developer)

- Application for seamless background load and playback of marketing media
- AngularJS Chrome App, HTML5/CSS3, Javascript, C#, MongoDB

03/2015 – 12/2015, Envision Entertainment

CnC Tiberium Alliances (Fullstack Developer)

- Complex freemium MMORTS browser game
- qooxdoo, HTML5/CSS3, Javascript, C#

06/2013 – 12/2014, Jeppesen Norway AS (a Boeing Company)

Data migration and synchronisation (Backend Developer)

- Solution for B2B migration and synchronisation of heterogenous data
- Java, Spring, Maven, Hibernate, JPA, PostgreSQL, Amazon AWS SNS SQS S3

05/2012 – 03/2013, EA Phenomic

CnC Tiberium Alliances Mobile (Fullstack Developer)

- Mobile version for: complex freemium MMORTS browser game
- qooxdoo, HTML5/CSS3, Javascript, C#

CnC Tiberium Alliances (Fullstack Developer)

- Complex freemium MMORTS browser game
- qooxdoo, HTML5/CSS3, Javascript, C#

Lord of Ultima (Fullstack Developer)

- Complex freemium MMORTS browser game
- qooxdoo, HTML5/CSS3, Javascript, C#

04/2009 – 08/2010, Advancis Software&Services – employed

WinGuard (C++ Software Developer)

- Security overview system
- C++, MFC, hardware protocol interfaces e.g. Modbus

12/2008 – 03/2009, rocketsciencegames – employed

Germany Sings Online (C++ Software Developer)

- Karaoke computer game with licensed content incl. video recording and editing
- C++, DirectShow, HLSL, Lua, Ogre3D, SecuRom

Tabaluga (C++ Software Developer)

- NintendoDS game, Jump&Run for children
- C++, NDS SDK