

Alexander Seipel

Engineering Leader and Full Stack Engineer



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🇩🇪 German

♂ Male

ABOUT MYSELF

Engineering leader and Full Stack Engineer with over 9 years of experience spanning early-stage startups to enterprise environments. Former founding lead engineer with deep, hands-on expertise in building scalable e-commerce platforms, personalized nutrition systems, and automated fulfillment architectures. Strong data science foundation with practical experience exploring machine learning applications and data extraction. Passionate about leveraging data and system architecture to solve hard problems and deliver fast, user-centric products.

WORK EXPERIENCE

01/09/2024 – Present
PRAGUE, CZECHIA

COMMERZBANK AG, ENGINEER DEVELOPMENT

- **Core Banking Frontend:** Hold sole responsibility for maintaining, refactoring, and developing new features for the React-based frontend of the Transaction Overview, a highly frequented core component of the online banking platform.
- **Architecture & Execution:** Architected a React frontend from scratch for a greenfield banking advisory tool.
- **Team Leadership:** Mentored and onboarded junior developers within a newly established team.
- **Full-Stack Delivery:** Collaborated on API design, including authoring OpenAPI (Swagger) specifications, and contributed to Java backend development tasks.

01/08/2023 – 31/08/2024
BERLIN, GERMANY

MAIBORNWOLFF GMBH, SENIOR SOFTWARE ENGINEER

- **Rapid Adaptation:** Quickly adapted to new challenges across three different client projects.
- **Supply Chain:** Developed the frontend for a food and beverage supply chain data import tool (Seedtrace) using React, AgGrid, and a GraphQL backend.
- **Healthcare:** Maintained and expanded existing Angular-based web platforms for patients and clinicians at a global TMS therapy provider (Neurocare).
- **System Design & Automation:** Established an automated process for TÜV Nord that synced Figma tokens with a git repository, built styled web components using StencilJS, and provided wrapper packages for React, Angular, and VueJS.

01/01/2021 – 31/07/2023
NUREMBERG, GERMANY

BRANDL NUTRITION GMBH, CHIEF TECHNOLOGY OFFICER

Served as the hands-on technical lead and primary engineer

- **Personalization Engine:** Engineered a platform that calculated custom recipes for personalized nutritional supplements based on questionnaire data filled out by the customer.
- **Marketplace & Fulfillment Automation:** Gradually automated manual order fulfillment workflows using a custom Django backend deployed via Docker.
- **Scalable Architecture:** Migrated the website from a private server to a scalable solution on AWS (serverless Aurora RDS database and EC2 instances with auto-scaling) managed using Terraform to handle traffic from a broadcast on the German startup TV show "Shark Tank".

- **Headless E-commerce:** Migrated the self-hosted Magento website to Shopify as a headless backend, ensuring performance and scalability with a custom static frontend (Gatsby + React) served via Cloudfront.
- **Data-Driven Iteration:** Utilized custom web dashboards, Python scripts, and Google Analytics to calculate repurchase rates and analyze data based on customer answers and flavor preferences.

01/10/2016 – 31/12/2019
NUREMBERG, GERMANY

IMMOWELT GMBH, FULL STACK DEVELOPER AND DATA SCIENTIST

- **Full-Stack & Internal Tooling:** Developed user-facing features, including fraud prevention systems and a public analytics application, and built and improved a custom monitoring dashboard application utilizing C# (ASP.NET MVC) and JS.
- **Machine Learning Exploration:** Conducted experimental R&D, exploring the training of neural networks for image classification and feature extraction using TensorFlow and Keras. Explored predicting real estate prices using both neural networks and database analysis.
- **Data & Performance Systems:** Worked with various database technologies including SQL Server, Vertica, Couchbase, MongoDB and ClickHouse. Experimented with GPUs and CUDA for improved performance on hashing algorithms in Python.

01/03/2016 – 30/09/2016
NUREMBERG, GERMANY

BENJAMIN LOCHMANN NEW MEDIA GMBH, ASSISTANT SEO MANAGER

01/04/2016 – 31/08/2016
REGENSBURG,
GERMANY

UNIVERSITY OF REGENSBURG, INFORMATION RETRIEVAL RESEARCH ASSISTANT

- Developed a search application prototype leveraging Apache Solr and learning-to-rank algorithms.
- Analyzed Twitter log data using R to execute and evaluate supplementary information retrieval experiments.

EDUCATION & TRAINING

01/10/2013 – 30/04/2017
REGENSBURG,
GERMANY

BACHELOR OF ARTS, UNIVERSITY OF REGENSBURG

Field(s) of study: Media Computer Science, Information Science

SKILLS

- | | | |
|--------------|--------------|-----------|
| • JavaScript | • TypeScript | • React |
| • C#/.NET | • Python | • Django |
| • AWS | • Terraform | • Docker |
| • HTML | • CSS | • Node.js |
| • MongoDB | • SQL | |

LANGUAGE SKILLS

GERMAN
Mother tongue

ENGLISH
C1

HOBBIES AND INTERESTS

Bodybuilding: I go to the gym frequently, constantly trying to optimize workout regimens and learning more about nutrition.