

Andrei Kirpichev

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ABOUT

Software Engineer with 4+ years of experience building distributed web systems with React/Typescript, Scala/Akka, and NoSQL (Cassandra)

EXPERIENCE

Software Developer

May 2019 – Present

agido GmbH

Dortmund, Germany

- Designed and implemented an affiliate system from scratch, including:
 - A streamlined workflow for affiliate marketing operations (affiliates onboarding, deals management, automated invoicing and payment settlement).
 - Detailed statistics based on key performance indicators, providing various visualizations and grouping options (leveraged Apache Spark for batch ETL operations to aggregate and process large volumes of data).
- Designed and implemented an internal database access service that provides a flexible REST API for data querying in a SQL-like fashion, ensuring data security through granular role-based access control. The service has been widely adopted throughout our frontend applications, significantly reducing the implementation efforts required for database access.
- Designed and implemented numerous feature requests and bugfixes from scratch to production for a sports betting platform as well as for its backoffice:
 - Developing and integrating Privileged Access Management (PAM) functionalities.
 - Customizing User Account Management, CRM, and KYC processes to meet specific requirements.
- Performed a wide range of architectural tasks in the backoffice frontend, which involved:
 - Introducing internationalization.
 - Implementing and enforcing linting practices.
 - Conducting upgrades of libraries and environments.

NOTABLE ACHIEVEMENTS

HackaTUM | Zeiss, *1st place*

Nov 2021

Built a microscope temperature analysis tool
devpost.com/software/munichdortmund

Amazon Raise-up Buildathon, *1st place*

Aug 2020

Built an Augmented Reality guide for museums
devpost.com/software/ar-guide

Connect The #POTT Hackathon, *1st place*

Dec 2019

Built an Android App for NFC tagged reusable delivery boxes

4OPMC Hackathon @ Unkongress, *3rd place*

Sep 2019

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Scala

Technologies: React, Redux, Ant Design, Akka, Play, Eventuate, Cassandra, Apache Spark, Apache Zeppelin

EDUCATION

Technical University of Dortmund

Master of Science in Computer Science

Nov 2020 - Aug 2023

Master's thesis: Recommendation system for a sports betting platform

Bachelor of Science in Computer Science

Sep 2017 - Nov 2020

Bachelor's thesis: Error robust modelling in affiliate systems