Denys Karmazyn

Senior Full-stack Engineer/Solution Architect with extensive experience in projects of different levels spanned over 10 years.

Contact information

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Technical skills

- Front-end technologies: **JavaScript, React, Redux, TypeScript, Next.js, Angular, Apollo Client, Flow, React Native, Gatsby, Webpack, HTML, CSS, Tailwind, styled-components, CSS Preprocessors**

- Backend technologies: **Node.js, AWS, Netlify, Docker, PostgreSQL, Hasura, Kubernetes, Terraform, DynamoDB, FaunaDB, Express, Firebase, GraphQL, Auth0, Sequelize, MongoDB**

- Testing tools**: Jest, enzyme, Selenium WebDriver**

- Other tools: **Contentful**, **Strapi**, **Slack API**, **Auth0, Mapbox, Facebook and Google APIs, Stripe**

- Version control: **Git, GitHub, GitLab**

Personal projects

- **Founder** at **https://distry.io/,** Hamburg/Munich, April 2020 - Present

Designed and created a platform called **distry** — a service where users can find a lot of useful information about neighborhoods of their city, including but not limited to interactive maps, user reviews, and ratings of districts, based on safety, cost of living, family-friendliness, nightlife, and other metrics. The tech stack: **AWS serverless Lambda functions**, **Node.js**, **React**, **Redux**, **Auth0**, **FaunaDB**, **Gatsby**, **Netlify CMS**, **Mapbox**, **Facebook and Google APIs**, **PWA, Google Analytics, Google Search Console.**

Projects

- **Senior Full-stack Engineer** at **Amcor plc**, remote (Hamburg / Munich), November 2021 - June 2022 / November 2022 - October 2023, February 2024 - ongoing

Redesigned and migrated corporate website (**https://amcor.com**) to Next.js (**React, Next.js, GraphQL, Contentful, Node.js**). Drastically improved performance of the application with the help of different **Next.js**-related instruments and approaches. Implemented a script for dynamically generation of the website's sitemap. Developed, maintained and applied various scripts to transform, parse and migrate huge amounts of data from Excel files to **Firestore Database**. Implemented and updated different **Firebase Functions**. Executed a migration of a complex **Contentful** data structure.

- **Senior Full-stack Engineer** at **MyGroove**, remote (Munich), May 2023 - May 2024

Developed an internal application for annotating audio recordings using **TypeScript**, **Next.js** and **Tailwind** on the frontend side, and **Node.js**, **Hasura**, **PostgreSQL**, **AWS Lambda**, **AWS EC2**, **AWS S3** on the infrastructure/backend side. Implemented passwordless user authorisation flow with the help of **Auth0 Passwordless API**. Created an API for for downloading and uploading annotated audio recordings to/ from **AWS S3**. Developed a website and a webshop for MyGroove mobile application.

- **Senior Software Engineer** at **New Work SE**, Hamburg / remote (Munich), July 2018 - May 2020 / April 2022 - April 2023

Migrated platform's People Directory app and Startpage to a modern front-end stack (**React, TypeScript, GraphQL, Node.js, Webpack,**) and covered it with visual, unit and regression tests (**Jest**, internal framework based on **Selenium WebDriver** and **Mocha**, **Percy**). Developed new features and maintained XING's logged-out startpage (**React**, **TypeScript**, **styled-components**). Supported various marketing campaign launches. Decoupled an old monolith **Ruby on Rails** application into BE and FE apps. Improved loading time of the page by 60% by reorganising **React** components tree. Increased test coverage of the product from 40% to 90% with the help of **Jest, enzyme, Selenium WebDriver** and other internal tools. Developed a complex tracking system using **Intersection Observer** and **Beacon API**.

- **Solution Architect / Senior Full-stack Engineer** at **Biogen International GmbH**, remote (Hamburg/Munich), July 2020 - July 2022

Designed and created the architecture of a complex multi-language and multi-country platform for healthcare professionals. Implemented various features such as content management flow (**Contentful APIs and tools, GitLab CI/CD, Next.js**), virtual event streaming (**Zoom API, Brightcove CDN**), custom registration and validation processes (**Akamai Identity Cloud, GraphQL, DynamoDB**), automatic deployments to AWS (**Terraform, AWS, GitLab CI/CD**), UI component library (**React, TypeScript, styled-components, Storybook**), URLs and content localization (**Next.js, Lokalise**), learning management system (**React, GraphQL, SCORM**). Led various processes and communication between Engineering, Product, and Stakeholder teams

- **JavaScript Developer** at XYRALITY GmbH, Hamburg, April 2016 - July 2018.

Built from scratch a browser version of a MMO game (https://lordsandknights.com/) using **JavaScript**, **React, HTML5 Canvas** and **CSS**. Managed to automate some routine job (e.g. translations update, pre-deployment operations, sprite replacement) with **Python**. Increased performance of the game by 65% after refactoring the graphical engine. Designed a React components library, which is used across different projects of the company.

- **Front-end Developer** at GTP, Kyiv, August 2015 - April 2016.

Created web pages and interfaces for sites with more than 10 million unique users each month (e.g. https://www.nur.kz/, https://www.legit.ng/, etc.) using **JavaScript**, **PHP**, **CoffeeScript**, **jQuery**, **CSS** and **HTML**. Designed and developed a special admin tool for managing and approving new articles with **React** and **Reflux**, which improved communication between managers and freelance journalists. Built an image editing tool (adding watermarks, filters, cropping) with **React**.

- **Front-end/PHP Developer** at Saleslion Suomy Oy, Brainberry Global, Kyiv/ remote, January 2014 - August 2015.

Developed different landing pages, web-sites, e-commerce projects using **WordPress**, **Magento**, **PHP**, **JavaScript**, **jQuery**, **CSS** and **HTML**. Designed and maintained **WordPress** plugins and themes.

Education

Bachelor's degree , Computer systems and networks
National Technical University of Ukraine 'Kyiv Polytechnic Institute', Faculty of Informatics and Computer Technology, Department of Computer Engineering
Graduated in May, 2015

Languages

- **English** - fluent
- **German** - intermediate
- **Ukrainian** - native