Daniel Koos

Senior Software Engineer

Accomplished professional with 12+ years of professional experience working in the IT industry, currently specializing in Next.js-focused product development, showcasing strong skills in technical leadership, mentoring/tutoring, and collaboration. Technical interviewer with over 200 successfully conducted interviews. Committed to driving excellence in software development through a strategic and hands-on approach, while constantly developing my skills. Currently learning how to master generative AI tools to improve my development workflow, and enthusiastic to advance in using Next.js.

Contact

Location: **Debrecen, Hungary** | Email: **daniel.koos@gmail.com** | Phone: **+36 20 3114036** | LinkedIn: **https://www.linkedin.com/in/koosdaniel** | GitHub: **https://github.com/koosdaniel**

Experience

Jun 2024 - Jan 2026
Zenik Solutions Ltd. l Debrecen, Hungary

Senior Software Engineer

Project Roles: Lead Front-End Developer

Responsibilities, achievements:

- Implementing new features, maintaining existing one in a Next.js monorepo.
- Maintaining software security and keeping the packages up to date.
- Migrating the existing codebase from Next.js 13 to 16, React 18 to 19.
- Helping the team transitioning from Kanban to Scrum
- Mentoring medior team mates.
- Taking care of technical leadership of the developers in our team.

- Communicating with the BAs, SM, and the UX Designer on a daily basis, coopearting on polishing user stories, planning sprint items and project milestones.
- Actively participating in sprint plannings, introducing milestone plannings to sync Front-end and Back-end development work at the beginning of each sprint.
- Setting up and introducing Sonarqube, performing regular Security Audits (in each sprint) to keep the codebase secure and up to date.
- Integrating Wiki.js as the built-in product documentation tool that BAs can easily edit, while it is automatically synchronizing regularly with the app.
- Integrating the Next.js app with Azure Application Insights and enabling verbose logging.
- Starting to actively use GitHub Copilot with Agent mode to help me with bugfixing and writing tests for my existing code.

Team: 3 Front-End Developers, 3 Back-End Developers, 2 Test Automation Engineer, 1 Scrum Master, 2 Business Analysts, 1 UX Designer/Business Analyst, 1 DevOps Engineer

Technologies: Next.js, TypeScript, SWR, React Hook Form, Turborepo, Material UI, Tailwind CSS, Sass

Tools: Azure DevOps, Azure Application Insights, Docker, VS Code, GitHub Copilot, Sonarqube, Wiki.

The project in numbers:

- 300+ Completed Work Items
- 150+ Implemented User Stories
- 110+ Fixed Bugs

Nov 2019 - Jun 2024
EPAM Systems | Debrecen, Hungary

Senior Software Engineer

Project #4 (Nov 2022 - Jun 2024)

Project Roles: Key Developer, Deputy Team Lead

Responsibilities:

- Migrating legacy AngularJS/Angular 2 application to ReactJS.
- Implementing new features on the new tech stack.
- Improving the accessibility and SEO ranking of the current app.
- Optimizing CI/CD Pipeline and overall development workflow for better performance.
- Mentoring newcomers.
- Taking care of technical leadership of the developers in our team.
- Communicating with the customer on a daily basis, actively participating in planning and refinement sessions, and all the ceremonies of the SAFe/LeSS framework.
- Cooperating with the Solution Architect and the Marketing Team to implement new SEO solutions for the existing app.

Team: 1 Team Lead, 1 Scrum Master, 1 Delivery Manager, 4 Front-End Developers, 2 Manual QA, 2 Test Automation Engineer

Technologies: JavaScript, TypeScript, ReactJS, Redux, Redux Thunk, Redux Toolkit, React Router, Node.js, Express, Sass, SEO Tools, Accessibility Standards

Tools: Jira, Bitbucket, Bamboo CI, JetBrains WebStorm, Redis, Webpack, Amazon Web Services, Docker

Project #3 (Aug 2021 - Oct 2022)

Project Roles: Key Developer

Responsibilities:

- Worked on issue investigations, and defect fixes for various features on different environments and legacy applications.
- Main participation: worked on integrating modernized CKEditor plugins into legacy components for more than 12 months. The goal was to integrate the modern and legacy plugin versions in single components to make maintenance and future implementation work easier.
- Cooperated with peer developers in issue fixes and solving requests coming from the customer via Pull Request comments. Wrote unit tests in Jest and integration tests in WDIO for implemented fixes/features.
- Assisted in the release process of fixed issues. Participated in manual testing of fixed issues based on test scripts stored in IBM Jazz Team Server.
- Actively participated in mentoring newcomers.
- Participated in the PI Plannings, from preparation through the whole workshop, did Jira ticket administration, created new tickets, and participated in the sprint planning process.

Team: 1 Team Lead, 1 Scrum Master, 1 BA, 4-5 Front-End developers, 1-2 Manual QA

Technologies: JavaScript, jQuery, ReactJS, Sass

Tools: GitHub, IBM Jazz, Jenkins, Jest, Jira, QUnit, WebdriverIO

Apr 2017 - Nov 2019
EPAM Systems I Debrecen, Hungary

Software Engineer

Project #2 (Aug 2017 - Jun 2021)

Project Roles: Key Developer, Deputy Team Lead

Responsibilities:

- As a deputy team lead helped to manage the development team together with my Team Lead. Being part of a large team (18 members at the time of leaving) made it necessary to split up the management tasks. I also participated in the majority of the Scrum (SAFe) ceremonies and took a major part in communication with the customer daily (email correspondence, meetings).
- Actively participated in task planning, estimation, and scheduling for the next iteration. Was a regular member of the PI Planning workshops which took part every 6 weeks (regularly on-site, but changed to online events in pandemic times).
- Worked together with the Team Leads and SM to improve project workflows. Made documentation in Confluence of all the changes to make them clear to all the team members. Investigated issues and

requirement gaps and participated in the weekly Q&A sessions to identify and fix issues, and fill the requirement gaps before the actual implementation started.

- Delegated tasks to the development team members, checked their progress and helped his progress on a daily basis. Participated in the mentoring of newcomers, helping them with knowledge transfer during their onboarding period.
- As a key developer, I have developed and integrated reusable components for AngularJS-based single-page applications using AngularJS 1.5.8, TypeScript, and Node.js, based on detailed User Stories, and provided Invision Designs, keeping Web Accessibility in mind.
- In 2020 the team started to reimplement existing features in a React-based application as part of a code modernization. While the current applications reside in separate repositories, the new code base is implemented in a common Monorepository, making the implementation of shared components easier. I had a key role in the planning and estimation of the migration from AngularJS to React, and then in the initial setup of the new environments and repositories. Set up the CI Pipeline, integrating SonarQube and Black Duck to check and comply with project security measures.
- Based on the existing features and the new improvements, I have implemented custom React components and reimplemented already existing AngularJS components into the React-based SPA. Created pixel-perfect implementations for the provided Invision UI designs and User Stories/Improvements in Jira with CSS3 and (X)HTML using corporate UI libraries. Implemented mobile-first responsive (but not fluid responsive) designs using the provided corporate libraries and custom CSS3 Sass styles).

Team: Dev team: 8 members QA team: 6 members SM: 1 member

Technologies: JavaScript, TypeScript, AngularJS, Node.js, Express, CSS, Sass, HTML, RxJS

Tools: Atlassian Bamboo, BitBucket, Confluence, Git, Gulp, InVision, Jest, JetBrains WebStorm, Jira

Oct 2015 - Mar 2017
EPAM Systems | Debrecen, Hungary

Junior Software Engineer

Project #1 (Nov 2015 - Jul 2017)

Project Roles: UI Engineer

Responsibilities:

- Developed components for an AngularJS-based single-page application. Created pixel-perfect implementations for the UI designs with CSS3 and (X)HTML using corporate UI libraries.

Team: Dev Team: 7 members, QA Team: 6 members, BA Team: 1 member

Technologies: AngularJS, JavaScript, TypeScript, HTML, CSS, Sass, , RxJS

Tools: Atlassian Bamboo, BitBucket, Git, Gulp, Jira

Sep 2012 - Aug 2015
University of Debrecen | Debrecen, Hungary

PhD Researcher, Lecturer

Roles: PhD Student, Lecturer

Research Topic: E-learning in the Education of Computer Science

Responsibilities:

- Researched how various AI-assisted e-learning tools could improve the education of mostly theoretical concepts of Computer Science.
- Besides my studies, as a lecturer I had one or two classes per semester, teaching the basics of mathematical logic, and artificial intelligence.

Sep 2009 - Sep 2012
University of Debrecen | Debrecen, Hungary

Lecturer

Roles: Student, Lecturer

Responsibilities:

- Besides my studies, as a lecturer I had one or two classes per semester, teaching the basics of mathematical logic, and artificial intelligence.

Feb 2014 - Oct 2015
Web Server Ltd. | Debrecen, Hungary

Junior PHP Developer (Part-time)

Project Roles: Developer

Responsibilities:

- As a full-stack developer worked on developing an e-mail marketing system. The various tasks included adding extra features, fixing issues, and implementing useful features for administration.
- Maintenance and operations tasks: investigated server issues, checked server logs, and handled EXIM issues.
- Customer Support: Technical support related to customer questions (how to create a newsletter, how to use the system, etc.)

Team: Dev Team: 6 members, DBA Team: 2 members, QA Team: 4 members

Databases: MySQL

Technologies: CSS, HTML, PHP

Tools: Bootstrap CSS, jQuery, jQuery UI, Vagrant, Yii, Zend Framework 1

Jun 2013 - Feb 2014
WEB-SKY Consulting Ltd. | Debrecen, Hungary

PHP Developer (Part-time)

Project Roles: Developer

Responsibilities:

- Developed new features and tools for the system using Zend Framework, JavaScript (jQuery), and other open-source tools.
- Redesigned the UI of the application using CSS3 and jQuery

Team: Dev Team: 2 members, QA Team: 1 member

Databases: MySQL

Technologies: HTML, CSS, JavaScript, PHP

Tools: Zend Framework, Bootstrap, jQuery

Aug 2012 - Jun 2013
Webiris Ltd. | Debrecen, Hungary

Junior PHP Developer (Part-time, Remote)

Project Roles: Developer

Responsibilities:

- Developed new features of the existing application.
- Made Unit Tests for existing methods.
- Designed and developed the UI of the application using the features of Bootstrap Framework.

Team: Dev Team: 5 members, QA team: 2 members

Databases: MySQL

Technologies: PHP, CSS, HTML, JavaScript

Tools: Yii Framework, Bootstrap, jQuery

Education

2015 - Informatics PhD

Doctoral School of Informatics
University of Debrecen, Hungary

2012 - Computer Science MSc

University of Debrecen, Hungary

2010 - Computer Engineering BSc

University of Debrecen, Hungary

Key Skills and Competencies

- ReactJS
- Next.js
- TypeScript
- Sass/SCSS
- RWD
- A11y
- SEO
- Mentoring
- Technical Interviewing
- Problem Solving
- Process/Workflow Management

Languages

- English: **B2+**
- Hungarian: **native**

In My Free Time

- Exploring Hungarian cities, watching exhibitions, musical and ballet acts
- Reading books
- Binge-watching series
- Playing with my dachshund