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STEFAN KORUNOVSKI

SKILLS

Frontend frameworks

My main focus is web development, working with both front-end frameworks and building web APIs. I am working with React and Typescript, but I have also utilized Vue and Angular.js (worked with Angular >2 while still in beta, but I prefer the rest of the frameworks).

When building design system or components, I'm using HTML5 along with PostCSS and SCSS primarily, but have utilized CSS-IN-JS libraries like Emotion for smaller scope projects or when needed by libraries or components.

Currently, I am working with react-query (or swr), along with using React Context for global state management, as it fits nicely in Next.js projects — and falling back to MobX for a more robust state management solution when required. I've also used Redux (with redux-toolkit), and Vuex in other projects as well.

Backend APIs

My current preferred backend stack is Node for building web APIs. I've used Express, NestJS and Next.js as a foundation for the projects depending on the requirements. I've also used Laravel in the past and found it quite enjoyable, but have slowly fallen out of interest in PHP. I am passionate about .NET Core and looking forward to a chance to work with it in a production environment.

PostgreSQL is my primary database of choice, along with MongoDB depending on the use case. I have also worked with MariaDB, MySQL, SQLite, and Firebase Firestore.

Infrastructure, DevOps

I've used and configured Webpack primarily for most of my projects, but have also worked with Babel, Parcel, and Poi. I've also used Gulp and Grunt for build configurations in the past. Recently I am using build tools based on swc and esbuild like Next.js and Vite.

I've been using GitHub Actions, Gitlab CI, and Jenkins for Continuous Integration, and Docker for production deployments and local testing. Also getting familiar with Kubernetes, but have no production experience with it. I have used AWS (EC2 and RDS) and DigitalOcean

for hosting of virtual instances and DB storage, but lately preferring Vercel, Firebase or Fly for lambda hosting.

Other interests

I am exploring Flutter and find it quite interesting and something I might focus on in the future. Likewise, I've tried to build React Native applications, but my interest shifted away, as I did not work with it on any production-level project. I'm passionate about functional programming and try to incorporate as much as I can into my daily code.

EXPERIENCE

Synthesis, Remote — *Software Engineer*

SEP 2021 – NOV 2022

Working on the client facing platform, implemented with Next.js (using Typescript). My main focus was working on vertical integration of new features: multi-user authentication (using next-auth, migrated to auth0 later), student interactive homepage, deprecating legacy systems, data migrations to support the ops team, etc.

In addition to the product facing work, I've tackled the efforts of optimizing the Vercel setup (migrating to SWC, updating libraries, middleware, etc.), improving Sentry setup, improving the test configuration, and similar infrastructure refinements.

HFour, Macedonia / Remote — *Team Lead, Software Engineer*

JUL 2018 – JUL 2021

I've worked in, and later led the team developing the in-house Editor application, implementing and improving the standard editor features for rich text editing with a custom rendering engine. Organized the work in the team by taking ownership of Scrum meetings, focusing on development-related sessions, including task definition and planning. I was also working on the way we set up the Agile process that fits the team and having 1-1s.

Previously, my responsibilities were creating and managing the Design System development stack, and my focus was unifying cross-project components into a single component library along with the product team.

Toptal, Remote — *Software engineer*

JUN 2017 – JUL 2018

My main focus was small and medium-sized projects and startups, where I could explore newer technologies and utilize them in production environments. I mainly worked with Node for server-side APIs, and utilized Vue as a frontend framework in multiple projects.

I've worked on creating a dynamic database editor, similar to Airtable, that could contain dynamic fields and relations. I created a dynamic grid component that could work with custom fields types, and manage their storage in PostgreSQL. I've also implemented authentication with JWT-s and payments with BrainTree.

Furthermore, I've also worked on a custom Vue.js dynamic timeline component for scheduling events with options for scaling, scheduling and drag and drop editing.

Ander Group, Skopje, Macedonia — Tech Lead, Software Engineer

JUN 2016 – JUN 2017

Managed the whole software lifecycle process, meeting with clients, organizing the projects work, and app development and deployment.

Since the company was mainly oriented on marketing solutions, my main focus was on developing Laravel API-s and CMS-s along with Angular and React frontend solutions.

Freelance team, Remote — Software Engineer, Web developer

MAY 2015 – JUN 2016

Worked with a team of developers on various projects, mainly for US startups. My main focus was on frontend development using Angular.js and SCSS. Part of my responsibilities were the client infrastructure setup using Gulp, SCSS and Webpack.

Jongis, Macedonia — Software Engineer, Web developer

MAY 2014 – JUN 2015

This was my first real-world impact software experience, and as a new joiner, I was eagerly assigned to develop the frontend application for medical institutions that will enable them to manage inventory resources. I enjoyed and appreciated the opportunity as I learned a wide range of skills along the way, creating dynamic grids for managing resources, managing a shared component library and taking care of building and deploying a web application.

Main technologies I worked with: Angular.js as a frontend framework, Grunt for build automation, SCSS for styling.

FINKI (FCSE), Skopje, Macedonia — Teaching Assistant

OCT 2013 – MAY 2014

Spend two semesters as a teaching assistant for Introduction to computing and Web Design courses. I was grading and helping students with their practical exercises.

EDUCATION

FINKI (FSCE) at UKIM, Skopje, Macedonia — *Master of Science (SOCD - System on Chip Design)*

SEP 2014 – CURRENT

System on chip design sparked my interest as a topic that I wanted to explore outside my daily engagement with standard software principles while working mostly with Web technologies. I enjoyed the confined performances available when analysing a problem, and I took a deeper dive into how actual boards and computer internals are working.

I've finished all my courses, but my master thesis is still pending to complete my degree.

FINKI (FSCE) at UKIM, Skopje, Macedonia — *Bachelor of Science (Computer Science and Engineering)*

SEP 2010 – JUN 2014

The courses and degree obtained at the university covered a general knowledge of Computer Science and Engineering. Even though my main focus was software right from the beginning, I appreciated all the mathematics, physics, and electronics related courses. It expanded my perspective on approaching general problems and motivated me to explore software engineering on my terms.