ANDREY KOLYBELNIKOV

Fullstack Web Developer

📞 +31 646 842 223

✉️ a.kolybelnikov@gmail.com

🌐 akolybelnikov.now.sh

📍 Amsterdam

Self-driven and enthusiastic software developer, experienced in building and maintaining web applications in start-ups, small businesses, and enterprises. Proficient in JavaScript and has a knowledge of a few other programming languages. Passionate about details, functionality, integration and clean code. Has deep respect for the culture, process, and craft of software development in general. Has a good understanding of the user experience and appreciation of the whole journey from a wireframe to a functional product with a stable and maintainable codebase. Keen on the back-end and dev-ops integrations, tools automation, sharp UX and shared code ownership.

WORK EXPERIENCES

Frontend Developer
FastForward.AI | 02/2019 - Present

Analytics Dashboard: a responsive web application optimized for mobile web - social media sales and marketing campaigns analytics. User group: Telecom companies' management.

- Angular 8/9, Typescript, RxJs
- Monorepository pattern
- Animated charts with Highcharts
- Shared component libraries with Nx
- Material Design
- Authentication with Auth0
- Reporting and Analytics API with Clickhouse DB
- Unit tests with Jest and Storybook
- In-memory state management for optimized performance
- Material Design

Webviews: digital services and mobile payment gateway web pages inside social media chats (Facebook, Whatsapp, Viber).

- Vue, State Machine, Vuex
- Contentful CMS
- Proxy servers and load balancing
- Component and style libraries
- Webchat with websockets.io
- Typestyle (CSS in TS)
- Maximized performance for mobile web
- Dynamic rendering with erb-templates
- Project conversion to Monorepository with Lerna and Yarn Workspaces
- i18n with JSON

Frontend Software Engineer
FaceValue BV | 07/2018 - 01/2019

Admin portal: user management, video verification, financial reporting and custom MS for a B2B and B2C supply chain banking platform.

- Angular 6/7, Typescript, RxJs
- .NET API, Microsoft SQL
- CI/CD on VSTS
- Shared component libraries with Nx
- Material Design
- Video embedments
- Data tables, dynamic calculations and views

Corporate website: created and customized in close collaboration with UX and UI engineers.

- Vue, State Machine, Vuex
- Custom CSS with SCSS
- UI component library
- Component and style libraries
- Webform security with Google Captcha3
- Validation and sanitizing of user input
- Custom scrolling and touch events

Frontend Developer
Contezza BV | 01/2018 - 07/2018

Gemeente Utrecht: a pilot of a large-scale, modernized document repository for the co-workers of the agency. Integration with Application Development Framework of Alfresco cloud services.

- Angular 5, Typescript, RxJs
- Java API
- Apache FTL
- Animations with D3
- Component libraries
- Material Design
- Unit tests with Jasmine and Karma

SKILLS

Technical

JavaScript, Typescript

Angular, React, Vue, Svelte

Node.js, Express, Graphql, JSON

PostgreSQL, DynamoDB, Clickhouse

Next.js, Nuxt, SRR

Gatsby, Gridsome, Sapper

Object-oriented design

Functional Programming

Git, Gitlab, Docker, Bitbucket

Hybrid Applications, Android/Java

Professional

Effective communication

Team player

Strong problem solver

Analytical abilities

Product ownership

EDUCATION

Online MSc in Computer Science
Georgia Institute of Technology
2019 - 2022

Mobile Web Specialist
Udacity / Google Developer
Scholarship, 2018

Part-time BSs in Software Engineering
University of Applied Sciences of Amsterdam, 2016 - 2017

Software Programmer
SKIM BV | 05/2017 - 12/2017

Campaign Editor: a UI interface for generating and editing campaigns for the leading marketing research agency.

- Angular 2, Typescript, RxJs ● UI components with PrimeNG ● Custom text editor with TinyMCE
- API with Node.js and Express.js ● Material Design with Materialize CSS ● Proxy-server
- Immutable data with Immutable.js ● Web security and user authentication with Passport, JWT
- Image uploads and storage with MongoDB ● Unit tests with Karma and Jasmine

PROJECTS

Bakery Webapp
https://vsebulochki.com | code: https://github.com/akolybelnikov/bakery-static

I started this project to help a friend to create a web presence and to learn React.js skills. **V1:** CRA with React v.15 (code: https://github.com/akolybelnikov/Bakery_Client), backend: Serverless API on AWS Dynamo DB (code: https://github.com/akolybelnikov/Bakery_AWS_Backend). **V2:** React v.16 with Hooks, Functional Components and Context API. **V4:** SSR version with Next.js (code: https://github.com/akolybelnikov/next-bakery-app), backend on AWS AppSync using Graphql with Apollo.

- Serverless, AWS, AppSync, Graphql, Cognito, DynamoDB ● Next.js, Gatsby
- React, React Hooks, Context API ● Netlify, Contentful, Zeit/Now
- Bulma, AntD, Styled Components, Rebass ● Fuse JS

Parish Website
https://orthodox-amsterdam.nl

I have created a multi-language static site with Gatsby for a the Tichel church in Amsterdam's Jordaan. It features an animated image gallery, dynamic event calendar, i18n in 3 languages, Contentful API, and CI/CD with Bitbucket and FTP on a private Apache Server.

- Gatsby, Gatsby Image ● Rich Text Renderer ● Graphql ● i18n ● Date-fns
- React, React Hooks, Context API ● Typography JS, Styled Components, Rebass

Tech Meetups
https://tech-events.now.sh | code: https://github.com/akolybelnikov/tech-meets

This is a React application I created over 5 days as part of the coding challenge for Trivago. It's a simple app with dynamic filtering of tech events and a persistent state managment with JSON-server. The server is hosted with Heroku (code: https://github.com/akolybelnikov/tech-events-api).

- Observables with RxJs ● Bulma CSS ● JSON Server ● Heroku ● Zeit/Now
- React, React Hooks ● Typscript ● Bootstrap-React UI components

HTTP Polling App
https://http-polling.now.sh | code: https://github.com/akolybelnikov/http-polling-with-rxjs-observables

This is a simple proof-of-concept application. I have used RxJs Observables to poll an open-source API with various time intervals and implemented a persistent local-storage with Svelte's Store.

- Observables with RxJs ● Bulma CSS ● Rollup ● Zeit/Now
- React, React Hooks ● Typscript ● Jest ● Svelte, Svelte Store

Cognito Identity Manager
code: https://github.com/akolybelnikov/aws-cognito-to-Gsheet

The user authentication for the Bakery PWA is implemented with AWS identity service Cognito. Users can sign up and log in with username/password authentication. I needed a solution for new users extraction from AWS to Google Sheets. I have implemented the project with Serverless API on Netlify Lambda and Google APIs for Google Sheets. For the frontend I have experimented with the static site generator of Svelte, Sapper and TailwindCss.

- Observables with RxJs ● AWS Cognito ● Netlify Lambda ● Rollup
- GoogleSheets API ● Svelte, Sapper, Static Site Generator ● CSV

Web Development 101 Bootcamp
NY Code and Design Academy, Amsterdam, 2016

MSc in Leisure, Tourism and Environment
Wageningen University
2003 - 2005

BSc in English and World Economics
Moscow University of Foreign Languages, 1995 - 2001

LANGUAGES
Russian (Native)
English (Professional)
Dutch (Professional)
German (Professional)

COURSEWORK
The Coding Interview Bootcamp: Algorithms + Data Structures
JavaScript: Understanding the weird parts
Web Animations: an Intro to SVG and GSAP
AWS Serverless APIs and Apps.
PWA: The Complete Guide.
Advanced React and Redux.
Angular 2+: The Complete Guide.
React Native: The Practical Guide.
Learn and Understand NodeJS.
Server-Side Rendering with React and Redux
An Introduction to Interactive Programming in Python.
Programming for Everybody (Getting Started with Python).
Python Data Structures.
Using Python to Access Web Data.
Computational Thinking for Problem Solving by the University of Pennsylvania.
Getting Started with Go by University of California, Irvine.
Functions, methods, and Interfaces with Go by University of California, Irvine.

github.com/akolybelnikov   linkedin.com/in/akolybelnikov   @rokkapi