ALEX PETROV

Full Stack Developer

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I'm a skilled engineer with 6 years of professional programming experience, dedicated to building intuitive, high-performance web applications. Known for being a collaborative team player who communicates effectively and aligns technical solutions with business goals.

SKILLS

Languages: JavaScript/TypeScript, Golang
Cloud: AWS, EKS, AppSync, DynamoDB, Firebase, Cloud Firestore
Front End: TypeScript, React 18, Redux/Zustand, Redux-saga, RTK, Axios, Vite/Webpack.
Front End Testing: Jest, React Testing Library, Playwright
CSS: Tailwind, SCSS/PostCSS, MUI/Mantine/Ant Design.
Back End: TypeScript, Nest.js, PostgreSQL, ScyllaDB/Cassandra, Redis, Kafka
Back End Testing: Jest, NestJS Testing
Tools: Websockets, gRPC/GraphQL/REST, JWT, Docker/Docker Compose, GitHub Actions/Git, Jira/Confluence.

WORK EXPERIENCE

Aiola 2023/08 – 2024/12

- Created and deployed to production AI Model Publish flow UI and back end using AWS DynamoDB/AppSync for data storage/retrieval and Prefect to track asynchronous job status.
- Applied short-polling strategy to synchronize Front End with AWS DynamoDB using Nest.js Back end as a proxy
- Unified three endpoint requests into a single one resulting in improved request latency and a lower amount of unnecessary FE state changes
- Integrated and set up ESLint (tsconfig) with Husky to improve codebase quality and lower the amount of CI runs.

Stack: TypeScript, Nest.js, React, Jest/React Testing Library, AWS/AppSync, DynamoDB, Prefect

Playtika 2023/02 – 2024/08

- Created a dynamic Redux storage with multiple nested layers.
- Added an FE-based version-controlled migration mechanism
- Refactored a large monolithic application into independent modules
- Improved campaign managers' performance by 50%

Stack: React, Typescript, Redux, Redux-saga, Recharts, Ag-Grid

Nearmap 2022/02 – 2023/02

- Set up a Dockerized microfrontend service with React/Redux. Introduced the application to the team with and integrated into a large in-production product.
- Introduced a wizard with instructions on how to use the product
- Improved AVG application rating by 0.2 (4.3 -> 4.5)

Stack: React, Redux, Typescript, Redux-saga, Reselect, Docker

Altexsoft 2019/06 - 2022/02

- Internal Forum: Leading a team of Front End junior developers, creating and assigning tasks, grooming and decomposing stories, setting up front end
- Video recording software: Created a custom video player using Canvas, merging two video streams using WebRTC
- Set up initial Front End structure for Next.js, React, Redux and Webpack

Stack: React, Next.js with SSR, WebRTC + Canvas, HTML/SCSS, Typescript

Plarium 2018/01 - 2019/06

- Browser App: Building and maintaining online chat, web app and user forum
- Desktop App with Electron: Creating and maintaining React modules, setting up Routes and ensuring static typing with Typescript

Stack: React, Electron, Typescript