

Evgeniy Malyutin

Dedicated, well-versed software developer with 10 years' experience, primarily in the domains of video calling, marketing, drug research, and finance. Offering proficiency in a diverse set of technologies, I take pride in creating optimal software solutions for both startups and global enterprises alike.

Technical Skills :

- Rust, WebRTC, TypeScript, Elm, WASM, codegen, Node.js, WebSocket, React, ReScript, OCaml, Postgres, SQL, tokio, Web

Seeking A Company :

- offering remote opportunities where I can apply my programming expertise, with a potential to drive significant impact and innovation

More About Me :

- <https://evgn.ml>
- email evgeniy.malyutin@gmail.com

Previous Experience Highlights :

E-learning startup | Back-End Developer

Dec 2023 - Sep 2024 · 10 mos

Stack: TypeScript · Ts.ED · Node.js · Express · Passport.js · Postgres · SQL · nginx · S3 · minio · Docker · Docker Compose

- provided a discovery phase, gathered requirements, made estimations
- wrote the specs
- designed and created DB scheme, seeded it for development
- designed and implemented REST API
- implemented user's files upload/download feature via underlying S3

- wrote recurring scheduled jobs for S3 files transform/cleanup
- setup ssl and configured reverse proxy (nginx) for separation between internal (api/jobs <-http-> s3) and external (user <-https-> s3/api) traffic to cut on the bandwidth and encryption costs
- setup containers orchestration (docker compose and Dockerfiles based on Apline image) for development and production environments

Self-employed | Software Engineer

Jan 2023 - Nov 2023 · 11 mos

Project 1 (In-browser blockchain analytics)

WASM · Rust · TypeScript · Apache Parquet · DuckDB

Project 2 (Media Streaming)

Rust · Media over Quic · WebTransport

Project 3 (Reverse proxy)

Rust · Axum · tokio · HTTP · Web

Project 4 (Gamedev)

Rust · bevy · wgpu

Project 5 (Postgres Extensions development)

Rust · pgrx · Postgres

Project 6 (Reverse Engineering)

x86-64 assembly · SIMD

bsi.snapview (Video Calling, Germany and Switzerland) | Senior Software Engineer

Feb 2021 - Nov 2022 · 1 yr 10 mos

Stack: WebRTC · TypeScript · Elm · LiveKit · Janus · Rust · WebSocket · Axum · tokio · mio · esbuild · nginx · S-Exp · SCSS · Node.js · Electron · MSSQL · Docker · GitLabCI · On-Premise + AWS

- regularly delivered demos on new features, participated in debugging with end users, and drove significant UX improvements
- developed features like WebRTC and native screen sharing, as well as background blur and background replacement for real-time video streaming using neural networks
- implemented functionalities for muting/unmuting audio and video without terminating the stream
- worked on WebRTC simulcast, LiveKit integration
- reviewed hundreds of pull requests
- participated in the most of technical discussions, wrote many documents for projects' leadership describing the trade-offs of different technical decisions
- drove estimations and planning poker sessions
- made a demo version for the sales that ended up winning the biggest customer of them all
- introduced many app customization features for white labeling

livereach (Media & Marketing, Germany) | Lead Front-End Developer

Dec 2017 - Jan 2021 · 3 yrs 2 mos

Stack: TypeScript · React · ReScript · Node.js · OCaml · Angular · SCSS · Webpack · REST API · WebSocket · Postgres · AWS

- coordinated, mentored and code-reviewed a small team
- developed a code generator consuming TypeScript interface files describing configuration data of React widgets and generating Angular app for real-time configuration of those widgets with standard and custom form controls depending on their TS data-types. This effectively eliminated the need for developers to manually update the admin app after the React widgets changes,

which improved overall traction and freed previously dedicated development resources

- implemented a service worker that downloaded webapp updates in the background and notified users that a new app version is available to ensure smooth user experience
- created a virtualized Excel-like data grid for working with millions of data points in data pipelines. Supports column reordering, formulas, rows/columns selection
- developed a unified feed from various social network posts and other data sources. Supports virtualization, filtering, multiple selection, batch and individual actions, moving items between the feeds
- implemented a photo-tagging feature for marking individual consumer goods on social media photos
- discussed the trade-offs of different technical decisions with the management
- created a stories editor with live React widgets overlay on photos/videos
- wrote web-based XML, JSON and CSV editors

Feedback:

“Evgeniy is a highly skilled software engineer who will be able to solve problems your other developers can’t. Great at developing high level concepts and making strategic technology decisions. Also the best Angular developer you’ll come across.”

Small startup (Legal, U.S.) | Front-End Developer

Sep 2017 - Dec 2017 · 4 mos

Stack: Angular · TypeScript · SCSS · REST API · Webpack · nginx

Feedback:

“Evgeniy Malyutin is the real deal. I like him. Will work with him in the future.”

DataArt | Full-Stack Engineer

Aug 2014 - May 2017 · 2 yrs 10 mos

Project 1 (Media, U.S.)

Position: full-stack developer

Stack: AngularJs · ES5 · CSS · REST API · Node.js · Express · Native C++
add-ons for Node.js · RTBKit (C++) · MongoDB · Grunt · nginx · Docker ·
AWS

Note: This project had a low latency requirement (real-time bidding). RTBKit was at the core, connected to an exchange. Around it was a Node.js middleware communicating to MongoDB and providing REST API to an AngularJs front-end. I was responsible for operating the solution in production as well.

Project 2 (Healthcare, Canada)

Position: front-end developer

Stack: AngularJs · ES5 · REST API · Bootstrap CSS · Grunt · Jasmine ·
MSSQL · TeamCity · On-Premise deployment

Note: Client was so happy, it led to a much bigger project.

Project 3 (Healthcare, Canada)

Position: lead front-end developer, core team

Stack: AngularJs · ES6 · REST API · Bootstrap CSS · Gulp · yeoman ·
MSSQL · TeamCity · On-Premise deployment

Note: A very big project, dynamic routing (screens can have unlimited nesting), white labeling, around 200 screens, dozens of FE devs, years of development. After the success of the previous project, I was leading the core team focusing mostly on bootstrapping the project (including

devops tasks) , developing the shared services and overseeing the high-level architecture and the code quality across the codebase . There were a few more feature teams .

Project 4 (Drug Research, Switzerland)

Position: front-end developer

Stack: AngularJs · ES6 · Bootstrap CSS · REST API · Gulp · Jenkins · On-Premise deployment

Note: After this project we got another one from this client .

Project 5 (Drug Research + Finance, Switzerland)

Position: full-stack developer

Stack: AngularJs · ES6 · Bootstrap CSS · REST API · Gulp · Node.js · Express · Postgres · Jenkins · Docker · On-Premise deployment

Feedback for projects 4 and 5 <https://www.dataart.com/clients/psi>:

“We enjoyed working with the DataArt team and hope to have other collaborative projects . They showed keen interest in our need , were patient and helpful .”