Arthur Zherka

📍 Warsaw, PL 📞 (+48) 792-586-234 📧 arthurzherko@gmail.com

Full-stack Developer with over 8 years of experience, skilled in crafting innovative web solutions using technologies like Next.js and React.js. Bringing team-oriented approach and collaborative mindset to project development. Specializes in designing scalable architecture solutions that stand the test of time. Passionate about leveraging cutting-edge technologies to create impactful user experiences and eager to contribute to forward-thinking projects.

Technologies

- JavaScript, TypeScript
- Node.js, Web3.js, GraphQL, WebSockets
- Express, Mongoose, MongoDB, PostgreSQL, MySQL, Redis, Supabase
- Webpack, Vite, Jest, Cypress, Jenkins

- React, React Native, Next.js, Vue.js, Redux Toolkit, Recoil, React Query, SWR, Lexical, Chart.js
- Stripe, Amazon Chime SDK, Brevo
- Firebase Cloud Messaging, DigitalOcean, Infura

Education

Bachelor's degree in Business Economics and Management, Polessky State University   **Sep 2013 – Jul 2017**

Experience

AI Engineer   **Writingmate.ai**   **Sep 2024 – Jan 2025**

Site generator platform utilizing AI technologies (ChatGPT and Anthropic Claude) to create custom web applications. The system employs model-context-protocol for AI tool development and integration.

- Developed core architecture using modern tech stack (TypeScript, Next.js, Supabase)
- Implemented AI integration system using model-context-protocol for tool creation and management
- Developed subscription and payment system integration (Paddle)
- Built responsive and accessible UI components using shadcn/ui library
- Implemented drag-and-drop functionality for site builder interface
- Developed form handling system with advanced validation (react-hook-form, zod)
- Created file upload system with progress tracking and real-time updates
- Implemented real-time database synchronization with Supabase

Senior Full-Stack Developer   **Viacry**   **May 2023 – Mar 2024**

www.genzeroaction.com - app enables Web3-based rewards ecosystems. Basic functionality: administration (creation, verification of evidence) of social actions necessary for advertising campaign of a certain company, the user receives a reward in the form of GENZERO tokens for performing social actions (plant a tree, share your climate story, etc.), which later he can exchange for products of the same company. After performing each action, the user is offered to get additional tokens by sharing the proof in social networks. In this way, the client receives advertising in social networks and users are rewarded for the work done.

- Designed the architecture of the project: Typescript, Next.js, Express.js, Magic.link, Web3, MongoDB, DigitalOcean, Infura, Brevo, PostHog
- Led a small team (4 people) in the development of an application
- Demonstrated the ability to resolve conflicts and manage project contingencies, which helped keep team motivation and productivity at a high level
- Developed backend (Express.js, MongoDB, Web3, Brevo, Magic.link, Mongoose)
- Developed Web3 based service to create, transfer and manage GENZERO token
- Developed variety (60+) of responsive components (SSR, Next.js)
- Implemented authorization service (next-auth)
- Implemented analytics tools for capturing user events (PostHog, GTM)

Senior Frontend Developer   **Suno, Inc**   **Sep 2022 – Apr 2023**

Software for the Savvy Audiologist. Basic functionality: calendar to schedule an appointment with the audiologist, filling out a patient card, patient-doctor chat, internal shop to select and purchase hearing aids, creating pdf invoices, hearing aid performance comparison charts.

- Developed the website for audiology clinics across USA that allows you to make an appointment with doctors via the built-in event calendar (Typescript, React, Redux Toolkit, React Scheduler)
- Implemented SOAP note creation and editing with voice input, automatic creation of pdf reports (Lexical, microphone-stream, jsPDF)

- Maintained a friendly and open atmosphere within the team, which promoted a high degree of co-operation and efficiency in completing assigned tasks
- Developed a chat with infinite scrolling (WebSocket API)
- Developed interactive graphs, forms with draggable elements (chart.js, react-draggable, react-dnd)
- Developed a large number of components (100+) in a tight schedule
- Test coverage of each component and each feature (Cypress)

Frontend Developer **Lesido (contract with CodeControl)** **June 2021 – Jan 2023**

app.lesido.de - Digital library of picture books and interactive video chat. A website and app that allows close relatives to interact with their children over long distances and learn to read together. Basic functionality: pdf book library, video chat, synchronisation of user actions (page turning, drawing). The React Native application can be found on the German App Store by searching for "Lesido"

- Developed the website and React Native application for interactive book reading using modern technologies (Typescript,
- Hooks, SWR, Recoil)
- Effectively mentored within the team for two years to develop communication, problem solving and leadership skills in
- team members
- Implemented audio and video capabilities for the web and mobile application. (The Amazon Chime SDK)
- Implemented synchronisation of cursor, book pages, routing during a call between users (WebSocket API)
- Implemented a subscription system with a trial periods and discount coupons (Stripe)
- Developed Book Reader with lazy loading pages (react-pdf, react-window)
- Implemented a notification system using Firebase Cloud Messaging (FCM)
- Implemented analytics tools for capturing user events (PostHog, GTM)

Frontend Engineer **Revolut** **Mar 2020 – October 2021**

Revolut is a global neobank and financial technology company with headquarters in London, UK that offers banking services for retail customers and businesses.

- I have been evaluated as a "Strong performer" throughout my career in the company, with a special appreciation for my "get things done" traits. I proactively asked for feedback from managers to improve in fields I was underperforming.
- Developed public API documentation website from scratch, from planning all the way up to deploying to production.
- Consistently and proactively worked on eliminating tech debt and improving the quality of the code base.
- The development of any new features would always involve me in planning, grooming, implementation, production release, and continued maintenance.

Frontend Developer **Maxiru (contract)** **Oct 2016 – Feb 2020**

Virgin Voyages - Application to play media in cabin

- Rewrote the old frontend with a new, faster one using modern best practices and recent technologies (React, React Native)
- Implemented WebSockets in application for real-time dashboard updates
- Reduced project build time (more than 15 seconds) by reconfiguring Webpack
- Coordinated releases and the implementation of features
- Covered 80% of code with unit tests

Virgin Voyages - Application for online check-in, booking and just about everything smooth sailing

- Developed the application with a user-friendly UI (React Native, Redux Thunk, Webpack)
- Developed variety (50+) of responsive components
- Implemented biometric authentication, PIN code, document detection and photo editor
- Integrated wearable tech accessories (bracelets) via Bluetooth
- Developed CI/CD process for infrastructure (Jenkins)
- Developed animations (react-spring)

Maxiru - Map Editor project (web editor for vector graphics)

- Developed a web application for pathfinding and navigation on SVG map
- Developed UI components based on trigonometric formulas
- Achieved 80% code coverage for unit tests using Jest

Maxiru - Web simulator of an Unreal Engine 4 application

- Developed a real-time web app to display the simulated movement of the bots from Unreal Engine 4
- Designed and developed the core architecture of SPA based on client requirements (React, Redux Thunk, Immutable.js)
- Developed a web dashboard with editable spreadsheets and auto save

DeepVideo - Service for video that helps viewers to identify products

- Developed SPA (Angular 2 and D3.js) with responsive UI and interactive graphs (zoomable bar chart)
- Developed with Angular 2 editable spreadsheets with auto save, sorting, filters and search with autocomplete

Woo Club - Shoppable video platform project

- Developed a new variety (20+) of responsive, accessible and localizable UI components with Vue.js
- Integrated a 3rd party YouTube API with for the ability to add tags to on videos to display the products that appear in them

Web Developer   **Freelance**   **Jun 2015 – Sep 2016**

- Developed 8 responsive landing pages (HTML, CSS, Javascript, Gulp)
- Cleaned up variety (10+) of hacked Wordpress sites (malware, spam, access recovery)