



## Mikita Hancharou

Total Experience: 4.5 years

### Professional Summary

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Full Stack Javascript developer with 4.5 years of experience with a focus area in web development. Solid knowledge of software development and maintenance processes. Consistently recognized as a competent lead developer, highly experienced in projects estimations, technical and business discussions, skilled at organizing the work of the development team and able to prepare and support a documentation for the projects, highlighting problems with development process and finding appropriate solutions

### Contact information

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**Email:** nikichetotam@gmail.com

### Employment

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**Jun 2018 - Feb 2019:** Paralect, Full Stack Developer

**Feb 2019 - Sep 2021:** ITRex Group, Full Stack Developer

**Sep 2021 - Present:** ScienceSoft, Full Stack Develop

### Skills

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**Programming Languages:** Javascript, Typescript

**Frameworks/Libraries:** React, Redux, Redux Saga, NodeJS, ExpressJS, NestJS, NextJS, Mocha, Web3.js, Electron, Jest, KoaJS, TypeORM, Socket.io, Progress.js, AngularJS, Lodash, Moment.js

**Building Tools:** Webpack, LESS, SASS/SCSS

**Databases and Tools:** PostgreSQL, MySQL, MongoDB, Redis, Firestore, pgAdmin, MySQL Workbench

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**Documentation:** Swagger, Atlassian Confluence, Jira, Trello, UML

**AWS:** AWS S3, AWS Systems Manager Parameter Store, AWS Lambda

**Google Cloud:** Firebase, GCP

**DevOps:** Docker, Kubernetes, Ansible, Jenkins

**Blockchain:** Solidity, Ethereum platform

**Tools:** npm, yarn, git, VSCode,

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## Work Experience

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### Full Stack developer

( May 2022 to present )

**Industries:** Healthcare;

**Project Name:** Diagnostic application

**Position:** Full stack developer

**Project description:** The application for doctors and other medical staff, which allows them to upload chest radiography and computed tomography of the brain to check them by AI for a predefined set of medical conditions

**Responsibilities:** develop the frontend interfaces for files uploading; implement a tool to represent check results found in a medical case; integrate a queueing system for lazy loading of results of a check; upgrade dependencies to allow integrate new functionalities; cover the application by tests using Jest; analyse the performance issues in a system and fix them;

**Technologies and Tools:** NodeJS, NestJS, PostgreSQL, TypeORM, Redis, Jest, React, React Hooks, Redux, Redux Saga, Webpack, ESLint, TypeScript, Git, GitHub, CSS/HTML, Jira, VSCode

**Team size:** 6

### Full Stack developer

( February 2022 to May 2022 )

**Industries:** Chemical; Pharmaceutical; Software

**Project Name:** Label printing application

**Position:** Full stack developer

**Project description:** Desktop label printing application for a laboratory, which handles medical tests and research programs. The application provides users the functionality to print labels with text information and barcodes to put the information on a test tube. The application interacts with an internal data management system, where the working staff manages all laboratory information including laboratory workers, labels, etc. The application receives the information about a label to be printed, puts it in an appropriate queue and

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converts label data to ZPL code, and sends it to a locally connected printer. A label is represented by a set of rows, where each row consists of the following parameters: text, style, size, and barcode

**Responsibilities:** implement software development solutions from scratch including label queues management, developing Javascript to ZPL code converter from scratch, setting logging system, which helps with investigations and bug fixing and implementing automatic updates flow; compile comprehensive and accurate documentation both for development team and for a customer, conduct root cause analysis of issues related to different printing and scanning equipment; investigate workarounds for outdated SDKs

**Technologies and Tools:** Electron, React, React Hooks, Redux, Redux Saga, Webpack, ESLint, TypeScript, Git, GitHub, Sentry, CSS/HTML, Vercel/Hazel, Jira, VSCode, ZPL

**Team size:** 3

### Full stack developer

( September 2021 to February 2022 )

**Industries:** Entertainment; Hospitality; Real estate

**Project Name:** Accommodation booking platform

**Position:** Full stack developer

**Project description:** The app provides a list of real estate to rent for people, who are interested in nature-rich locations including guesthouses, lodges, treehouses, or yurts. Also, the app prioritizes properties, which help to participate in nature-immersive activities like farm tours, horseback riding, or outdoor yoga classes provided by stewards, who are owners or operators of a stay or activity. The web application properties may be created both inside of the app and added through third-party integrations using Booking.com, Airbnb, etc.

**Responsibilities:** implement integrations of 3rd party APIs with a focus on mapping data, which comes from the API to the models stored in a project's database, active interaction with Cloud Firestore as a database of the project; code refactoring related to old integrations with outdated APIs and splitting the project to microservices; communication with customer about future project development

**Technologies and Tools:** NodeJS, React, React Hooks, Jest, Express, Redux, Redux Saga, Typescript, Webpack, Git, HTML/CSS, Jira, VSCode, Firebase, Firebase services API

**Team size:** 3

### Backend developer

( April 2021 to January 2022 )

**Industries:** Broadcasting; Entertainment

**Project Name:** Streaming platform

**Position:** Backend developer

**Project description:** Native application for both Android and IOS platforms, that provides a place for voice streaming. The application requires for all streams to be covered by enough amount of categories and tags, which allows all users to be guided to the targeted content even at the start of the application usage. Also, neural networks help with recommendations based on a previous user experience in the app, which is expected to increase the possibility of recommendations and content targeting to be more accurate for a particular user

**Responsibilities:** develop and implement software solutions like authentication flow, stream categories filtering, work with user content; communicate with management colleagues and customers; conduct root cause analysis of system issues using logging system and project documentation;

**Technologies and Tools:** NodeJS, TypeScript, NestJS, PostgreSQL, Kafka, AWS S3, AWS SSM, gRPC, TypeORM, Docker, Jest, Jira, Git, VSCode, NPM

**Team size:** 18

## Backend developer

( December 2020 to April 2021 )

**Industries:** Mobile Services

**Project Name:** Childcare platform

**Position:** Lead developer

**Project description:** Native application for parents, which is designed to connect nannies and babysitters. The application gives all parties a space to communicate with each other, to schedule and pay for appointments and to check the GPS location of sitters during the appointment, including attached media like photo and video content with GPS locations to make sure that their children are safe

**Responsibilities:** customer requirement elicitation; resolve complex technical design issues like investigating the optimal technical approach for the application functionality; analyze requirements and convert the requirements to design documents with verifications by all the team members and customers for the chosen solutions; organize meetings to discuss all approaches with team members; design database structure according to the modern practices to reduce the costs for the database service from Firebase size; develop technical specifications to create a single source of truth for all the parties; provide accurate estimations of project development process; implement software solutions like all database triggers and aggregators to make the database work optimal from both performance and price points of view, implement cloud functions to move all business logic from native code for IOS and Android, coordinate and setup storage work with appropriate handlers to make it more intuitive for other team members, setup push-notifications according to the requirements, setup Firebase Realtime Database and implement the handlers to provide GPS tracking functionality for the app, integrate Dwolla payment platform to handle payment functionality in the application

**Technologies and Tools:** Node.js, Firebase Cloud Messaging, Firebase Cloud Functions, Firebase Firestore, Firebase Realtime Database, Firebase In-App Messaging, Firebase

Storage, Firebase Authentication, Dwolla payment platform, Jira, Git, VSCode, NPM, Firebase CLI

**Team size:** 6

### Full Stack developer

( April 2020 to December 2020 )

**Industries:** Financial services; Accounting; Banking

**Project Name:** Financial bonus management system

**Position:** Full stack developer

**Project description:** The application allows employers to register their company inside the system and avoid extra taxes by transferring part of the wage to their employees as bonuses like medical insurance or parking lot coverage using the USA laws, which allow to not apply taxes to these kinds of bonuses. Employers have accounts, where they fill in the information about their company, including the information about available bonuses for their employees. An employer can manage bonuses, which can be used by employees, and check for the information about employees. Employees also have their accounts, where they can check their profile information, select bonuses they want to be applied to themselves, and track funds transfers.

**Responsibilities:** conduct root cause analysis of system issues on the database or code side; work in touch with the support team to provide appropriate ways to solve a problem and make a comprehensive report for the customers; implement SQL scripts or Javascript code fixes to fix the problems in the system; implement a software solution to aggregate all scripts and code fixes to make them reusable for other team members; implement code fixes in lambda functions

**Technologies and Tools:** Angular (Typescript), NodeJS (TypeScript), AWS Lambda, AWS Aurora (MySQL), AWS Cognito, SQL

**Team size:** 12

### Full Stack developer

( September 2019 to March 2020 )

**Industries:** Staff Management

**Project Name:** Staff Management System

**Position:** Full stack developer

**Project description:** The system combines a variety of modules and features to make staff management process in a company more clear and unified. The application includes profiles of all employees including their personal data, information about their position in a company hierarchy, and their current project information. Also, the system handles various requests like a request for vacation, a request for a day off, etc. using corporate emails. The system allows defining a department structure and changing the hierarchical tree inside the system

**Responsibilities:** develop software solutions like authentication module, microservices communication, integration with internal security management system to receive employees data updates from a secure source of truth, integration with mailing system, define strict roles system, which allows automatically notify all required by company policy people about requests, status changes and company structure changes; communicate with colleagues to discuss future scopes of the system; resolve complex technical design issues; analyze user requirements and convert the requirements to documentation, which allows to move the system development process in an optimal way in accordance with the functionality required by end users of the system

**Technologies and Tools:** NodeJS, NestJS, PostgreSQL, Typescript, React, Redux, Redux-Saga, Styled Components, ElasticSearch, RabbitMq, Docker, Webpack, NPM, Git, Gerrit

**Team size:** 8

### Full Stack developer

( February 2019 to September 2019 )

**Industries:** Automotive; Direct Selling; Retail

**Project Name:** Cars selling and scrapping system

**Position:** Full stack developer

**Project description:** The system for selling, buying or scrapping cars in the United Kingdom. The web application helps purchase car parts and accessories, arrange finance for a car, or lease a car. Also, the application has a customer's cabinet, which is a place where all documents, quotes, and purchases are stored in one place. The system has an auction functionality for scrapping a car, so the end users can scrap their car with the optimal result defined by market prices in their region

**Responsibilities:** implement software solutions like an authentication module, multistep forms, make pixel-perfect frontend part of the system, develop the app using Next JS framework to meet customer's requirement for SEO and user experience; communication with customers; discuss technical solutions with team members;

**Technologies and Tools:** React JS, Redux, Next JS, Lerna, Formik, Jira, GIT, VSCode

**Team size:** 12

### Full Stack developer

( October 2018 to January 2019 )

**Industries:** Software; Marketing

**Project Name:** Layout generator

**Position:** Full stack developer

**Project description:** The web application allows non-technical users to generate single page site layouts with an online editor using text editor, table formatting tool and graphical tool to

apply custom content to the layout. Users can change their subscription plan or manage their saved projects inside their profile. Also, the application has an admin panel, which provides functionality to view, search and change user data

**Responsibilities:** support and refactor legacy code written in ES5 and jQuery; implement new features according to requirements like adding new instruments to the tools board; discuss future scopes with customers

**Technologies and Tools:** NodeJS, Express, React, React-sagas, NoSql, Jira, GIT, VSCode

**Team size:** 4

### Full Stack developer

( August 2018 to October 2018 )

**Industries:** Entertainment; Publishing

**Project Name:** Admin panel

**Position:** Full stack developer

**Project description:** The system is a content sharing application, which allows to store haiku with custom graphical content and spread it across of the system and outside of it using social networks integrations. Also, it has an application for administering a mobile application. The admin panel provided functionality to search for users, to download or delete photos uploaded to the mobile application and to view or edit application albums

**Responsibilities:** discuss business requirements with the customers; develop and implement software solutions like content editor, users search panel, roles management system to provide useful functionality for admins to make the application more manageable

**Technologies and Tools:** NodeJS, Express, React, React-sagas, PostgreSQL, Jira, GIT, VSCode

**Team size:** 4

### Front-end developer

( May 2018 to August 2018 )

**Industries:** Blockchain; Direct Selling; Financial Services

**Project Name:** ICO application

**Position:** Full stack developer

**Project description:** Web application for ICO for Ethereum-based token linked to the aluminum factory, which is interested in calling in investments using cryptocurrency approach. Also, the application has an admin panel, which allows viewing and changing data, filling in data for smart contracts, and starting different investment rounds.

**Responsibilities:** investigate blockchain area to apply the knowledge during the project development; discuss technical solutions with the team; implement software solutions like authentication module, and secure admin panel using 2FA; interact with Ethereum network to

deploy smart contracts; handle payments using MetaMask; integrate KYC provider; define database structure with a team; provide estimations for the features;

**Technologies and Tools:** React, HTML, CSS, web3.js, Jira, GIT, VSCode

**Team size:** 9

## Education

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### Belarusian State University of Informatics and Radioelectronics

( 2016 to 2020)

**Specialty:** Computing machines, systems, and networks

**Degree:** Bachelor

**Diploma/Degree Work:** A software platform for developing third-party applications. The module of work with cryptocurrency. The module was implemented using the Ethereum platform with smart contracts integrated into the main project using NodeJS microservice to provide an independent and distributed way to spread shares of the project between all parties like developers, owners, and investors.

## Languages

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### English

**Reading:** C1 **Writing:** C1 **Speaking:** C1

## Certificates and Trainings

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### CCNA R&S: Introduction to Networks

(April 2019)

**Link:**

[https://drive.google.com/file/d/1j2iCxe4KrlQyTrsW3ixTn3lpEw\\_W7SSY/view?usp=drivesdk](https://drive.google.com/file/d/1j2iCxe4KrlQyTrsW3ixTn3lpEw_W7SSY/view?usp=drivesdk)

### CCNA R&S: Routing and Switching Essentials

(October 2019)

**Link:**

[https://drive.google.com/file/d/1j6C9NPNZ7\\_PEegpQzwWkP8B-1f6rEUsv/view?usp=drivesdk](https://drive.google.com/file/d/1j6C9NPNZ7_PEegpQzwWkP8B-1f6rEUsv/view?usp=drivesdk)

### CCNA R&S: Scaling Networks

(December 2019)

**Link:**

<https://drive.google.com/file/d/1j7Eh1BShaHFxc8nRiMgTiNVWsnUzUXIX/view?usp=drivesdk>



