

Dato Khojava

Full-Stack Engineer | React Native Developer

Location: Batumi, Georgia

Email: khojavad30@gmail.com

Experience

Software Engineer — Andersen Lab

Jan. 2024 - Present | Batumi, Georgia

- Evolved from backend-focused engineer to full-stack contributor, building scalable server-side logic and modern client interfaces across multiple concurrent projects.
- Developed and maintained RESTful APIs using Node.js and Express, serving production applications with 99.9% uptime.
- Implemented React Native mobile features for cross-platform applications, ensuring consistent UX on iOS and Android.
- Collaborated with cross-functional teams of 10-20 members (designers, QA, product managers) using Agile methodologies to deliver features on 2-week sprint cycles.
- Integrated CI/CD pipelines with GitHub Actions, reducing deployment time by 60% and minimizing human error.
- Contributed to code reviews, technical documentation, and knowledge-sharing sessions to maintain code quality standards.

Technologies: TypeScript, Node.js, React, React Native, PostgreSQL, Docker, AWS, Git, Jest

Frontend Engineer — Foodly

Mar. 2024 – Jul. 2024 | Remote

- Developed responsive, mobile-first interfaces using Blade and Bootstrap, translating Figma designs into pixel-perfect implementations.
- Integrated RESTful APIs and WebSocket connections to display real-time order updates and delivery tracking for 1,000+ daily users.
- Collaborated with backend team to optimize data structures, reducing API response payload size by 35% and improving page load times.

Technologies: PHP, Blade/Laravel, Bootstrap, Vanilla Javascript, REST APIs, WebSockets, Figma

Experience (continued)

Full-Stack Engineer — Batumi Republican Clinical Hospital

Jan. 2021 – Mar. 2024 | Batumi, Georgia

- Led end-to-end development of the hospital's official web platform, serving as sole developer for design, development, deployment, and maintenance.
- Designed complete UI/UX from scratch, prioritizing accessibility for elderly patients and medical staff with varying technical literacy levels.
- Built full-stack application using React, Node.js, Express, and PostgreSQL, implementing secure authentication and role-based access control.
- Managed content pipeline for 500+ pages, including medical services, doctor profiles, appointment systems, and health resources in Georgian, English and Russian.
- Optimized database queries and indexing strategies, reducing average page load time from 3.5s to under 1s.
- Impact: Reduced phone call inquiries by 40% through self-service appointment booking; processed 10,000+ monthly visits.

Technologies: React, Node.js, Express, PostgreSQL, AWS EC2, Nginx, Docker, Git

Full-Stack Engineer — LEPL "Adjara Museum"

Jul. 2020 – Dec. 2021 | Batumi, Georgia

- Designed and developed QR-based digital guide platform, enabling visitors to access detailed exhibit information via smartphone scanning.
- Built bilingual content management system (Georgian/English), allowing museum staff to create, edit, and publish exhibit profiles without technical knowledge.
- Developed admin dashboard with media management for 100+ museum exhibits.
- Implemented RESTful API architecture connecting frontend and database.
- Collaborated with museum curators and administrators to gather requirements and iterate on UX improvements based on visitor feedback.

Technologies: HTML/CSS, PHP, MySQL, QR Code APIs

Arduino Team Coach

Jan. 2020 – Jun. 2020 | Batumi, Georgia

- Mentored team of 5 students in robotics fundamentals, teaching electronics basics, circuit design, and Arduino programming (C/C++).
- Guided students through building functional prototypes including line-following robots, obstacle-avoiding cars, and sensor-based systems.
- Researched and evaluated ultrasonic sensors, IR sensors, servo motors, and LCD displays, creating reusable code libraries.
- Developed Arduino projects integrating multiple sensors and actuators, debugging hardware-software integration issues.
- Fostered problem-solving mindset by encouraging experimentation and iterative design.

Technologies: Arduino (C/C++), Electronics, Sensors, Prototyping

Education

Bachelor's Degree in Exact Sciences and Education

Batumi Shota Rustaveli State University | Sep 2016 – Jun 2022

- Focus: Computer Science and Education
- Key Coursework: Data Structures & Algorithms, System Architecture, Database Design, Software Development Principles, Object-Oriented Programming, Web Technologies
- Developed strong foundation in computational thinking, algorithm optimization, and software engineering best practices

Mobile App Development (React Native)

Georgia Innovation and Technology Agency | Apr 2022 – Jun 2022

- Focus: Cross-Platform Mobile Development
- Key Topics: React Native, Expo, TypeScript, Mobile UI/UX Design Patterns, State Management (Context API, Redux), REST API Integration, Navigation, Push Notifications

Computer Network and System Technician (Level 3 Vocational Qualification)

Batumi Shota Rustaveli State University | Dec 2017 – Jun 2018

- Focus: IT Infrastructure and Systems Administration
- Key Topics: Operating Systems (Windows Server, Linux), TCP/IP Networking, LAN/WAN Configuration, System Troubleshooting, Network Security, Server Maintenance
- Gained hands-on experience configuring routers, switches, firewalls, and enterprise network infrastructure

Skills

Languages: PHP, JavaScript, TypeScript, SQL, C/C++ (Arduino), HTML/CSS

Frontend: Blade, React, Next.js, React Native, Expo, Bootstrap, TailwindCSS, Redux, Context API

Backend: Laravel, Node.js, Nest.js, Express.js, GraphQL, RESTful APIs, WebSockets

Databases: PostgreSQL, MongoDB, Mongoose, SQL Query Optimization

Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, CI/CD, GitHub Actions, Nginx

Testing: Vitest, Jest, Playwright, React Testing Library

Tools & Platforms: Git, GitHub, GitLab, Figma, Linear, Jira, VS Code, Postman, Adobe Photoshop

Methodologies: Agile/Scrum, RESTful Design, Microservices Architecture, Test-Driven Development (TDD)

Notable Projects

Bitefolio (2024 – Present)

Tech Stack: TypeScript, React Native, Expo, TanStack, React Native Reusables, Nest.js, PostgreSQL, Docker

- Developing a cross-platform mobile application (iOS & Android) that enables users to create their own digital cookbooks by converting physical recipes into modern, structured digital formats.
- Implemented user profile systems with the ability to follow other creators, explore their recipes, and engage with a growing culinary community.
- Integrated AI-powered assistance to help users refine recipes, generate ingredients, convert measurements, and receive personalized cooking recommendations.
- Added functionality for users to mark recipes as favorites and follow step-by-step guided instructions optimized for mobile cooking experiences.
- Designed a tiered user model allowing creators to switch to a professional profile, enabling visibility to potential employers and opportunities to get hired for culinary work.
- Built a scalable backend using Nest.js and PostgreSQL, with Dockerized services for efficient development and deployment workflows.
- Focused on clean UI/UX, reusable components, offline-friendly patterns, and high-performance mobile interactions.
- Contributing to the startup's core architecture, product direction, and continuous iteration based on user testing and early beta feedback.

<https://bitefolio.app/>

Dish-Master — Open Source REST API (2024 - present)

Tech Stack: Next.js, Nextra, TypeScript, Node.js, Express, TailwindCSS, ES2022, Docker, PostgreSQL

- Built an open-source REST API that provides access to recipes, cooking tips, ingredient lists, and step-by-step preparation instructions.
- Designed a clean and well-structured API with Nextra-powered documentation for easy onboarding and version management.
- Implemented PostgreSQL data models for recipes, ingredients, metadata, and categorization, ensuring efficient querying and relational integrity.
- Containerized the application using Docker to support streamlined development, consistent environments, and scalable deployment.
- Applied clean architecture principles: modular service layers, request validation, controller separation, and robust error handling.
- Offers endpoints for searching, filtering, and retrieving structured cooking instructions suitable for integration into third-party apps or websites.
- Status: Project is under construction and currently operating in a testing version.

<https://dish-master-documentation.vercel.app/>

Notable Projects (continued)

Hospital Management System (2021-2024)

Tech Stack: TypeScript, React, Node.js, Express, GraphQL, TailwindCSS

- Comprehensive web platform serving 100+ daily users with patient information, and medical resource management.
- Implemented secure authentication with JWT, role-based access control (RBAC), and encrypted data storage.

QR-Based Museum Digital Guide (2020-2021)

Tech Stack: HTML/CSS, PHP, MySQL, QR Code API, Apache Server

- Bilingual platform enabling 10,000+ annual museum visitors to access exhibit information via QR scanning.
- Admin dashboard with content management system supporting media uploads, rich text editing, and translation workflows.
- Impact: 50% increase in visitor engagement, eliminated printing costs for exhibit descriptions.

Batumi Routes (2020)

Tech Stack: React Native, Expo, Native Maps, REST APIs

- Developed a real-time bus tracking application that displays live bus locations, routes, and nearby stations on an interactive map.
- Designed a clean, intuitive mobile UI optimized for both iOS and Android using cross-platform React Native components.
- Integrated native map functionalities such as markers, dynamic route rendering, and station overlays.
- Built as a Bachelor's degree project, demonstrating a practical real-world solution for improving public transportation accessibility in Batumi.
- Improved understanding of mobile performance optimization, geospatial data processing, and user-centric design.

<https://github.com/DatoKhojava/batumi-route>

Publications

- "Implementation and Comparative Analysis of Symmetric Encryption Model Based on Substitution Cipher Techniques"

IEEE International Conference | Oct 26, 2021

<https://ieeexplore.ieee.org/document/9580978>

Licenses & Certifications

Programming & Development:

- Go Programming Course — Codecademy (2024)
- React Native Development — Codecademy (2023)

Cybersecurity:

- Cyber Security Camp — American Corner Batumi (2019)
- Cyber Cube 2019 — GRENA (2019)
- Cyber Cube 2017 — GRENA (2017)

Academic:

- Student Research Conference — Batumi Shota Rustaveli State University (2019)

Languages

- Georgian: Native
- English: Professional Working Proficiency
- Russian: Professional Working Proficiency

Contact

GitHub: <https://github.com/DatoKhojava>

LinkedIn: <https://www.linkedin.com/in/khojava/>

Website: <https://datokhojava.vercel.app/>