Robert Khnkoyan

Contact information

Address: 15 Sheram str., apt. 31, Yerevan, Armenia. 0084
Mobile Tel: (+374) 33 331160
Email: robert.khnkoyan@gmail.com

Work experience *(overall: 36 years)*

Armath Engineering Laboratories (2021 Nov – present)
- As a coach at Yerevan N146 school, I teach all three components of the curriculum which includes
    - "Basic programming and animation" with Scratch and KTurtle
    - "Robotics" with Arduino, Raspberry Pi, and Serob
    - "3D modeling and prototyping" with 3D printer and CNC machines

Yerevan State University (Faculty of Physics, 1983 Oct. – 2018 Sep.)
- In the faculty of physics of YSU, as a member of the staff of chair of solid states, I was responsible to support the education process by helping students to conduct experiments in laboratory settings using complex tools and equipment. I was also responsible for the maintenance and upgrade of equipment in use.
- For over 30 years, I was a tutor for dozens of high school pupils helping them to prepare for mathematics and physics exams for university admission. During this time, I developed my lecture notes, solution bank, and other materials to help pupils efficiently prepare for exams.

Education

MS degree in Physics – Yerevan State University (1978-1983)
- Specializing in solid-state physics. Diploma with excellence.

Languages and Technologies

Coding experience using the followings (beginner level – self-taught)
- Languages/web technologies - JavaScript/ES6, HTML5, CSS3, PHP
- Libraries/runtimes – React, jQuery, Node.js/Express, Bootstrap
- Databases – MongoDB/Mongoose, MySQL
- Other - Git/GitHub, NPM, Heroku, Linux

Projects using technologies
- https://e-wordbook.herokuapp.com/ - a dictionary-style web app that helps to learn English by organizing words based on the level of knowledge. It has a built-in text-to-speech module and integrates with Google Charts for analytics. Data is stored in the browser's local storage for offline usage. Source code @ https://github.com/robertkh/e-wordbook
Technologies used: React

- https://e-shop-store.herokuapp.com/ - e-commerce application with PayPal, Visa/Master card integration, and JWT-based user authentication (old version was using server-side rendering with Pug). Source code @ https://github.com/robertkh/e-shop-store
Technologies used: MERN

- https://ws-map.herokuapp.com/ - Google Maps Timeline-like application to track location, show taken routes and distances. For registered users, it works as a fleet management system by pushing location data to the server for central monitoring. Source code @ https://github.com/robertkh/ws-map
Technologies used: MERN

- https://smart-remind.herokuapp.com/ - Reminder application that displays notifications on a fixed (based on Pimsleur method) or custom schedule. Source code @ https://github.com/robertkh/smart-remind
Technologies used: React

- https://code-assistant.herokuapp.com/ - Web app to store and search content with tags (code snippets, posts, etc.). Source code @ https://github.com/robertkh/code-assistant
Technologies used: MERN, AWS S3

- Collection of reusable React components
    - File upload - https://aws-s3-react.herokuapp.com/
    - Web push notification - https://wpn-react-comp.herokuapp.com/
    - User component - https://user-reactcmp.herokuapp.com/