Suhrab Kurbanov

Senior Software Developer & Engineer

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Olympic medalist, experienced **Software Developer & Engineer**, also a **Geneticist** with strong data structure, algorithm, and problem solving fundamentals. Enthusiastic team player with strong passion about building world class applications.

Professional Summary

- Extensive experience in development of scalable, responsive Web-based, Mobile and Client-Server Applications in Biotechnology and Ecommerce industries.

- Expert level skills in user interface (UI) development using **HTML/HTML5**, **CSS/CSS3**, **Bootstrap**, **Tachyons**, **Semantic-ui**, **JavaScript**, **ES6**, **ReactJS**, **Redux**.

- Solid experience in developing large scale Single Page Applications (SPA's) with **ReactJS** and **Redux**.

- Excellent in developing mobile applications with **React Native** and **Redux**.

- Extensive experience developing high-performance front-end **games** using **ES6**, **ReactJS** and **HTML's Canvas**.

- Solid knowledge of **CSS** and **Media Queries** to create **responsive websites** for different devices.

- Thorough understanding of web page **performance optimization techniques** and **PageSpeed insights**.

- Deep experience with front-end tools such as **Babel**, **Webpack**, **NPM**, **Yarn**, **Gulp**, **Grunt, ESLint, Prettify.**

- Strong experience of using **AJAX calls** and processing **JSON** format files between front-end and back-end.

- Experience with maintaining **relational Database** such as **PostgreSQL** and **NoSQL Database** such as **MongoDB**, using server-side languages such as **Python (Django)** and **Node.js (Express)**, respectively**.**

- Extensive experience in **version control** tools like **Git** and **GitHub**.

- Expertise in Object Oriented Programming (OOP) languages, such as **Python** and **Java**.

- Experienced in **Agile Scrum Methodologies** and working in **Sprint cycles**.

- **Detail-oriented**, **team player**, **self-motivated**, **dedicated**, open to **learn** and **share** the knowledge.

Experience

2017 - present

React Developer & Bioinformatics Programmer

North American University, Department of Computer Science

- Developed and designed Genomics and Proteomics web applications using **React** and **Redux,** with **Babel, Gulp, Webpack** and **Node.**
- Implemented **Advanced React Component Patterns** to make highly interactive, simple and more flexible components.
- Extensively used **Lodash** library for sorting data in application's Table components.
- Built client- and server-side search components with paginated data fetched from Ensemble **REST API** using **Axios** library.
- Optimized components for maximum performance across a vast array of web-capable devices and browsers.
- Built mobile versions off Genomics apps using **React Native** and **Redux.**
- Involved in all aspects of web-based **Software Development Life Cycle (SDLC) .**
- Followed the complete **Agile** methodology, participated in daily **Scrum** meetings and executed each **Sprint** deliverable.
- Tested, maintained and recommended software improvements to ensure strong functionality and performance.

- Automated generation of input files for AutoDock Vina and visualization of these files with **Python** Molecular Viewer or PyMOL.
- Assisted in **Automation Testing** with **Java** and **Selenium** WebDriver, whenever needed.

2015 - 2017

React Developer & Python Engineer

Antivlia LLC

- Revamped UI and app interface of an electronics selling e-commerce site, with **25,000+** unique visitors per month, using **ReactJS, JavaScript, ES6, HTML5, CSS3,** and **Redux.**
- Designed and developed mobile e-commerce app using **React Native** and **Redux.**
- Developed online deal locator, catcher, detector and checkout application using **ReactJS** and **Python.**
- Developed UI of PC price predicting web app using **ReactJS.**
- Created SPA with loading multiple views using **route services** and adding more user experience to make it more **dynamic** by using **React-router.**
- Often implemented **reusable React components** with **JSX, Redux-form, data binding** and **Virtual DOM** manipulations with **Redux architecture.**
- Developed web scraping programs using **Python** for collecting competitive data.
- Designed and developed **Python** scripts that **automates** inventory purchasing, listing and selling.
- Extensively used **Git** for version control.
- Optimized sourcing efficiency of products, resulting in **annual revenue increase** by approximately **40%.**

2012 - 2017

Front-End Developer & Bioinformatics Programmer

Baylor College of Medicine, Texas Childrens Hospital

- Created single page application with dragging capability of transcription factor components to appropriate DNA target sites using **HTML canvas, ReactJS** and **Redux.**
- Designed and programmed front-end application, which calculates proper localization and graphical visualization of user-entered data.
- Developed user interface using **HTML canvas, JavaScript, React, Redux with Babel, Webpack** for SPA development.
- Built reusable components using **React** and used **React-Router** to build single page applications.
- Maintained states in the stores and dispatched the action using **Redux**.
- Involved in developing user **authentication systems** using **ReactJS**.
- Used **AJAX call** to get **JSON** data from back-end and showed the dynamic information on the html page.
- Supported team with any kind of production and maintenance issue, performed automation testing when needed.

Skills

- ➢ **Languages:** HTML5, CSS3, JavaScript, ES6, Python, Java, SQL,
- ➢ **Tools, Frameworks, and Libraries:** ReactJS, React Native, Node.js, Django, Flask, Redux, Bootstrap, Tachyons, Semantic-ui, Webpack, Grunt, Gulp, REST, RESTful, NumPy, Matplotlib, Pandas, SSH, AWS
- ➢ **Databases:** PostgreSQL, MongoDB
- ➢ **Version Control:** Git, GitHub
- ➢ **Testing Tools and Frameworks:** Java Selenium, Python Selenium, Jasmine, Mocha
- ➢ **Methodologies:** Agile (Scrum, XP)

Education

2011 - 2017

Baylor College Of Medicine, Houston, TX

Immunology & Microbiology Graduate **PhD** Program

2007 - 2011	**Fatih University, Istanbul, Turkey**
	Bachelor of Science in Biology with a minor in Bioengineering
	GPA: 3.87 / 4.0
	Honors: Ranked **1st** in the department throughout 4 years

📖 Recent Personal Websites and Fun Projects

Portfolio (*http://SuhrabK.com*)

GenomeTools (*https://genomics-tools-app.herokuapp.com/*)

MemoryGame (*https://suhrabjan.github.io/memoryGame/*)

SnakeGame (*https://suhrabjan.github.io/snakeGameForMyKids/*)

GravitationalStarShower (*https://suhrabjan.github.io/star_shower/*)

DynamicResponsiveCircles (*https://suhrabjan.github.io/DynamicResponsiveCircles/*)

BulkImageResizer (*https://pypi.org/project/BulkImageResizer/*)

RSSReader (*React Native, haven't deployed yet*)

CarBookingApp (*React Native, haven't deployed yet*)

ImageSharingApp (*React Native, haven't deployed yet*)

GuiterTunerApp (*React Native, haven't deployed yet*)

MessagingApp (*React Native, haven't deployed yet*)

ParrotInTheCaveGame (*React Native, haven't deployed yet*)

E-CommerceApp (*React Native, haven't deployed yet*)

SocialWebsite (ReactJS and Django)

OnlineShop (ReactJS and Django)

E-LearningPlarform (ReactJS and Django)

🎖 Awards and Achievements

2018-11	Ranked in **top 10** in Regional ICPC Programming / Algorithm Contest on November 10, 2018
2017	**hackerrank**: Problem solving website. Ranked in **top 1%** out of 1221929 contestants
2007	Won **Bronze Medal** in International Science Olympiad, Saskatoon, Canada

⭐ Reference

References are available upon request