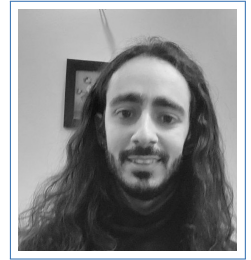# Saleh Salehizadeh

Web Developer

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Summary

I am Saleh. A full-stack web developer and statistics enthusiast. since childhood, I've been programming for fun, and now I'm developing web for almost 7 years. my main fields of working were entertainment and transportation industries, using Django, PHP, R, MySQL, PostgreSQL and etc. Creating Interesting and useful systems is what connects all my interests and experiences.

Education

2015-2018 **M.Sc.**, *Amirkabir University of Technology*, Tehran, *Mathematical Statistics*.

MSc. Thesis

title ***Simultaneous Tests For High Dimensional Datasets***

description Nowadays emergence of new technologies like DNA Mircro-array has been leaded to creating large scale data, which needs new method to analysis. In my Thesis I investigated a model that works on this settings.

2010–2014 **B.Sc.**, *Allameh Tababaei University*, Tehran, *Applied Statistics*.

BSc. Project

title **Investigation on Mobile-Bank Service Based on SERVQUAL Model**

Experience

April 2022 - October 2023 **Programmer**, `LightBlender`, Bitparsers Inc. Remote Canada.
LightBlender is a video mapping system for LED strips. Using my experience in python and my knowledge of image processing and my previous projects (`LightShifter` and `Lumos`), I developed a new system from scratch that eliminates our need for third-party mapping system like `MadMapper` or `Resolume`, So in a stand-alone way it can handle LED strip effects. It includes an API for system control using Flask. The final product consists of a 3D-printed box containing a Raspberry Pi and the required circuits, such as potentiometers, etc.
Technologies: `Flask`, `Python`, `JavaScript`, `Raspberry Pie`, `jQuery`, `WS1228B Led Boards` and etc.

October 2021 - December 2021 **Full-Stack developer**, `Trade-forward Project`, Shinbob Co. Remote Canada.
Trade-forward is a B2B shop, which users can buy their stuff, and purchase other users' useful stuff. I am implementing the schema, RESTful API and etc.
Technologies: `Django`, `DRF`, `nginx`, `postgresql`, `jQuery` and etc.

Auguest 2021 - now **Full-Stack developer**, `Lumos v1 Project`, Shinbob sole. Remote Canada.
Lumos is a PWA (progressive web application) which easily using to control the mapping systems (like `madMapper` or `Resolume`). I implemented the Database schema, api, react components and etc.
Technologies: **Software and languages** `raspberry pie`, `Django`, `DRF`, `react-js`, `nginx`, `node-osc`, `postgresql` and etc. **Hardware**: *Raspberry-pie*, *Minix*, and etc.

April 2021- July 2021	**Full-Stack developer**, *Lightshifter v2 Project*, Shinbob sole. Remote Canada. `Lightshifter v2` is a video mapping web-based system, which can connect to mapping systems (like `madMapper` or `Resolume`) and controls its fixtures in a user-friendly space. It has been done after v1. This system also is able to install on machines with AMD architecture. In this version some features like ultra-sonic handler, schedulers, and etc. added to the system. We also implemented multi-link supporting for `lightshifter`. As in the first version the key point is that we succeed to control to LED boards through raspberry pie and in addition we could control the LED's using ultra-sonic sensors Technologies: **Softwares and Languages**: `Django, DRF, crontab, node-js, express-js, ,` `postgresql, jQuery, sequelize, nginx and etc.` **Hardware**: `raspberry pie`, *ultra-sonic sensor*, *Minix*, and etc.
April 2021	**Programmer**, *GTR encryption firmware Project*, Shinbob Co. Remote Canada. I checked the encryption system of the GTR corporation and fixed it. Technologie(s): `python`
Januery 2021- March 2021	**Full-Stack developer**, *Lightshifter v1 Project*, Shinbob sole. Remote Canada. `Lightshifter v1` is a video mapping web-based system, which can connect to mapping systems (like `madMapper` or `Resolume`) and controls its fixtures in a user-friendly space. I implemented the `lightshifter` from scratch. this system is able to install on machines with ARM architecture. It can control the mapping systems using some handlers. The key point is that we succeed to control to LED boards through raspberry pie. Technologies: **Sotware and languages**: `raspberry pie, node-js, express-js, postgresql, jQuery,` `sequelize, nginx and etc.` **Hardware**: **Hardware**: *Raspberry-pie*, *Minix*, and etc.
September 2020- December 2020	**Back-end developer**, *DNBuy project*, Shinbob sole Remote Canada. *Dnbuy is an international domain and hosting provider website based in Canada*. My task was programming internal 'API' and synchronizing Dnbuy with Enom using Enom api. Technologies: `Django, Python, Nginx, MySQL, jQuery, and etc.`
2015 - 2020 summary	**Full-stack `django` and `wordpress developer`**, *Multiple companies*, Tehran. Since 2015 to late 2020, I developed UI and APIs for mutiple companies like **Boundar Souban Samaneh**, **Abrbar**, etc. Technologies: `django, DRF, postgresql, bootstrap, nginx, wordpress, woocommerce,` etc.

Languages

English	**Advanced**
Turkish	**Beginner**
Arabic	**Beginner**
Japaneses	**Beginner**

Development and Programming skills

Linux	7 Years User of Linux `OS`
Backend	`django framework` ★★★★★, `flask` ★★★☆☆, `PHP` ★★★☆☆,
Front-end	○ **Styling**: HTML and CSS ★★★★☆, `Bootstrap framework` ★★★★★ ○ **Programming**: `pure javascript` ★★★★☆, `jQuery` ★★★★★, `reactjs` ★★★☆☆,
Database	○ `MySQL` ★★★★★, `PostgreSQL` ★★★★☆
Statistical	○ **Programming**: R ★★★★★, `matlab` ★★★☆☆ ○ **software**: SPSS ★★★☆☆, SAS ★★★☆☆, `Tableaue` ★★☆☆☆

Other Technologies

- **Languages**: python ★★★★☆, C ★★★☆☆, Go ★☆☆☆☆, Bash Scripting ★★★☆☆
- **Webserver tools**: Nginx configuration ★★★★☆
- **VCS**: git ★★★★☆, gitflow ★★★☆☆

Interests

Interested in learning New topics in technologies and human languages. Reading stackoverflow and other Stackexchange sites and trying to answer the questions.

Courses

- AUT and Paris 5 university shared courses on applied statistics (Clustering, Random Forests and Extreme Value Theory)