Akif Manzoor

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Education

University of Ottawa
BASc. in Computer Engineering

Skills

Languages
Java, C, Go, Python, JavaScript

HTML, CSS, SCSS

Unix, Bash, PowerShell

Frameworks
React.js, Vue.js

React Native

Redux, GraphQL, Axios

REST APIs, SOAP APIs, AJAX

Node.js, Express.js

Selenium, Jest, Cypress

Material UI, Bootstrap

Technologies
Git, Github, GitLab

Word, Outlook, Excel, PowerPoint

MongoDB, SQL

Arduino

Figma, Webflow, WordPress

Linux, Windows

Concepts
Object Oriented Programming

Full Stack Development

Web Development

Mobile Development

Volunteering

Food Server
Sept. 2018 - Present

Course Facilitator
Jan. 2019 - Apr. 2019

uOttaHack
Mentor - 2018 & 2019

Experience

Full Stack Developer & Co-Founder | LEAP
Feb. 2021 - June 2021
- Developed, in collaboration with 3 others, a live streaming web app for users to effortlessly create podcasts using **Vue.js, HTML, SCSS** and **WebRTC**.

Full Stack Developer & Co-Founder | AcreEye
Sept 2020 - April 2021
- Developed an agriculture surveying drone for farmers to track crop health
- Improved user interaction by introducing a dashboard using **JavaScript**, **React.js**, **Redux**, **Bootstrap** and **Firebase**. → *acreeye.web.app*
- Maintained software integrity utilizing end-to-end testing with **JavaScript, Cypress** and **CircleCI**.

Integration Developer | Ericsson
Sept. 2018 - Sept. 2019
- Awarded two "Act to Execute" awards for automating, troubleshooting and reducing software uploading time from 8 hours to 10 minutes with **Python**.
- Implemented **Python** to download and upload files with Qualcomm software's CLI commands.
- Consolidated qualcomm software into a GUI with **Eel.js**, **JavaScript**, **HTML** and **CSS,** helping 100s of developers throughout Ericsson. → *akifmanzoor124.github.io/ericsson*
- Simplified phone data retrieval by establishing a company wide **MongoDB** database.
- Automated troubleshoot logging using **MongoDB** and saved team hours of work.

Frontend Developer | Tyto Robotics
May 2017 - Sept. 2017
- Saved 4 months of work by migrating codebase to **NW.js** before deprecation of Chrome Apps.
- Resolved critical bugs, doubled software performance using **HTML**, **CSS, Javascript**, and **jQuery**.
- Improved software distribution with BitRock-installBuilder and created update functionality.

Leadership

Founder | Mealabs
May 2018 - Sept 2018
- Created CRUD application with **Arduino**, **C**, **Node.js**, **Express.js**, **JavaScript** and **REST API**.
- Designed an **Android** app using **Java** and **Retrofit** to retrieve data from the server.
- Controlled smart bulbs by implementing a mobile app using **JavaScript** and **React Native**.

Vice President | Ottabotics - uOttawa's Robotics Team
Aug. 2017 - Feb. 2018
- Designed and executed a 3-week robotics project for 100+ recruits on a budget of $500.
- Operated workshops for more than 50 recruits on **Arduino-C**, **Git**, **Python**-OpenC and **SolidWorks**.
- Collaborated with 11 executives to manage three competition teams and a project team.

Project Manager & Software Developer | Ottabotics - uOttawa's Robotics Team & Chartwells
Oct. 2016 - Aug. 2017
- Developed an autonomous recycling prototype, managing 15+ members on a $5000 budget.
- Created Haar Cascades to detect 3 samples with **Python-OpenCV** and **Tensorflow** using a camera.
- Saved 50+ hours of work using a turntable to take and crop 1000s of images with **Python-OpenCV**.

Full Stack Developer | Ottabotics - uOttawa's Robotics Team
Mar. 2016 - Sept. 2017
- Showcased 3+ projects using **Linux, Apache**, **My SQL**, **PHP**, **HTML** and **CSS** to host CMS website.
- Held responsibility for ensuring the security and functionality of websites and 2 servers.

Projects

Dice Fiesta | Drinking Game App
Feb. 2020 - Present
- Prompt users to complete in person games and tasks using **React Native, Redux** and **Bootstrap**. → *akifmanzoor124.github.io/dicefiesta*

Automatic Braking Wheelchair System | Bruyere-Saint Vincent Hospital
May. 2019 - August 2019
- Automated wheelchair braking with **C** and **Arduino** by creating a prototype for hospital.