# Akib Rahman

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## SUMMARY

Full stack software engineer with 4 years of experience using React,Express,Flask,AWS and PostgreSQL/MongoDB to craft creative solutions. I am currently looking for an opportunity where I can apply my skills and knowledge to develop, maintain and manage your enterprise systems.

## EXPERIENCE

**Software Developer/Architect**                                         Jun 2020 - Present
*Open-Lib*                                                                *Richmond, VA*
- Developed a full-stack web application with Flask serving a REST API. With plans to port the Front-End to React
- Implemented Authentication using Flask-Login. Implemented pdf reading capabilities using pdf-js
- Kept track and visualized page numbers and books that are currently being read by a use

**Software Engineer**                                          Jan 2019 – December 2019
*Tahzoo*                                                                  *Richmond, VA*
- Built an Azure ECL module for Tridion Sites 9 which allowed clients fine tuned controls of their media data stored in Azure using the Tridion CMS.
- Migrated Tahzoo.com from WordPress to Tridion CMS.
- Developed the DXA application to serve CMS content and implemented elastic search.

**Information Technology Support Specialist**                 Feb. 2018 – December 2018
*Virginia Commonwealth University*                                        *Richmond, VA*
- Communicate with managers to set up campus computers used on campus.
- Assess and troubleshoot computer problems brought by students, faculty and staff.
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus.

**Internet of Things Research Assistant**                       May 2019 – July 2019
*Virginia Commonwealth University*                                        *Richmond, VA*
- Explored methods to control and measure individual circuit end points in a house using *esp32's.*
- Developed a central control unit on a raspberry pi to where the esp32 can send data.
- Created a proof of model concept using a giant doll house, esp32s and raspberry-pi and received further funding's.

## PROJECTS

**Open-Lib** | *Python, Flask, PostgreSQL, Docker, Aws*          June 2020 – Present
- Developed a full-stack web application with Flask serving a REST API. With plans to port the Front-End to React
- Implemented Authentication using Flask-Login. Implemented pdf reading capabilities using pdf-js
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**Autonomous ARM vehicle** | *Arm-Cortex 4 Discovery Board, Assembly, C/C++*    May 2018 – May 2020
- Built an autonomous vehicle that can avoid obstacles and navigate a maze.
- Received 2nd place certificate in a class of 50 student in navigating the maze and following the lined track in the fastest possible time.

**Spyware with OpenCV** | *OpenCV, Tkinter, keyboard*            May 2018 – May 2020
- Built a desktop application using Tkinter and OpenCV
- Application start's on boot, logs all keystroke, records audio-video at intervals, and log the data to an email server.

## TECHNICAL SKILLS

**Languages**: Java, Python, C/C++/C-Sharp, SQL (Postgres), JavaScript, HTML/CSS
**Frameworks**: React, Node.js, Flask, WordPress, Material-UI, FastAPI
**Developer Tools**: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
**Libraries**: pandas, NumPy, Matplotlib, OpenCV

## EDUCATION

**Springboard**                                                        San Francisco, CA
*Software Engineering Certificate — 700-hour curriculum in full-stack development*       *Sept. 2020 – Mar 2021*