

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 user

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

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 starts on boot, logs all keystroke, records audio-video at intervals, and log the data to a 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

Old Dominion University

Norfolk, VA

Bachelors in Computer Science

Jan. 2021 – May 2022

Springboard

San Francisco, CA

Software Engineering Certificate — 700-hour curriculum in full-stack development

Sept. 2020 – May 2021