

ABRAHAM ALAM

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FULL STACK SOFTWARE ENGINEER

Hardworking graduate seeking a full-time position as a software engineer.

TECHNICAL SKILLS

Python (Django, Flask)

C++

HTML/CSS/JS (Bootstrap)

MySQL

Matlab/Simulink

Dart/Flutter

R

Linux (Ubuntu)

EDUCATION

Bachelor of Science

University of Maryland, Baltimore County | Baltimore, MD | GPA: 3.82
2020-2022

Student Physician

Philadelphia College of Osteopathic Medicine | Philadelphia, PA
2016-2018

Bachelor of Science

University of Maryland, College Park
College Park, MD | GPA: 3.62
2008-2012

COURSE HIGHLIGHTS

Brain Computer Interfaces

Data Science

Data Visualization

Graphic User Interfaces

Cybersecurity

Computer Organization/Assembly

LANGUAGES

English

Urdu

Hindi

PROFESSIONAL EXPERIENCE

Chief Technical Officer | *StayPrism, Inc.* | Columbia, MD 08/2019 to Present
Develop policies and procedures for technology use within a real estate business.

- Manage tech stack of short-term rental business including smart locks, OwnerRez property management software, Google Nest video camera, and on-site Internet network.
- Conduct research on emerging real estate markets using Rabbu, AirDNA, Pricelabs, and other online resources (including the tool I built below).
- Coordinate with local businesses regarding upkeep, maintenance, and options for new technologies on-site.

HR Consultant | *Surgicenter of Baltimore* | Baltimore, MD 11/2018 to 12/2022
Facilitate employee credentialing and organizational practices in the workplace.

- Communicated with small businesses regarding hiring processes, employee handbooks, and paperwork.
- Partnered with private practices to determine physician availability, expertise, and scope of surgical practices.
- Managed employee timesheets and patient billing as needed.

PERSONAL PROJECTS

Real Estate Web Tool | Python (Flask), OpenLayers, Tableau | web application
Displays granular real estate data across the United States.

- <http://homeseacher.pythonanywhere.com>
- Designed a choropleth data visualization website with clickable regions and filters using HTML, CSS, Javascript, and Bootstrap.
- Employed GeoJSON file backend with state and county data.
- Utilized additional Tableau visualizations to display appreciation data over time (active listing count and median listing price).

ALCO | Python (Django), HTML/CSS/JS/Bootstrap | web application
Gamification of UMBC's coursework website to increase student engagement.

- Managed user login credentials and registration, email, password resets, and user profiles with PostgreSQL.
- Developed using Agile environment.

Private Server | OpenMediaVault, Docker, Plex, PiHole | hardware project
Engineered private streaming platform and adblocker.

- Configured network attached storage (NAS) device and PC to act as a dedicated server reachable at a private website.
- Enabled port-forwarding, altered DNS settings, and troubleshot router and IP configuration issues.