

# AHMED MEKY

Software Engineer with 3 years of experience with focus on the Front End

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## EDUCATION

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Pennsylvania State University, College of IST, University Park, PA  
Bachelors of Science, Human Centered Design and Development

📅 2019-2022

GPA: 3.9

🏆 Dean's List, Magna Cum Laude

*Relevant Courses:* Programming for the Web, Engineering of Complex Software, Software Design and Development, Design Principles, Data Structures and Algorithms in Java, Networking, Distributed Object Computing

## SKILLS

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JavaScript

React

Java

Angular

HTML

SCSS

TypeScript

Node JS

RXJS

SQL

## Professional Experience

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Software Engineer

📅 January 2022 - Present

IBM

San Francisco, CA

Web Application Development

- Led the front-end development of multiple Data & AI web apps (React, JavaScript & HTML/SCSS)
- Wrote multiple REST APIs using Express and Axios to communicate with backends
- Created a Node server to track usage leading to the ability for stakeholders to measure impact of projects
- Increased efficiency of development team by creating reusable components and functions
- Developed responsive user interfaces using SCSS leading to mobile friendly applications

Continuous Integration and Deployment

- Created the first CI pipeline for the codebase using Travis, leading to automated quality assurance
- Deployed the team's first external application by adding Docker and creating an IBM cloud (code engine) build
- Saved non-technical stakeholders time by introducing deployed previews

Stakeholder Management & Codebase Improvement

- Trained a front-end intern on development workflow, how to write quality code, and conduct code reviews
- Conducted thorough code reviews thereby preventing bugs, condensing logic, and improving performance
- Created issue and pull request templates leading to a well-documented codebase
- Translated requirements of non-technical stakeholders into development plans

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Software Engineer Intern

📅 May 2021 - December 2021

Penn State, Software Engineering Department

State College, PA

- Developed and tested a new internal email management system for workers to create, preview, and edit email templates using Angular, Typescript, and Cypress
- Created reusable components for navigation, file uploads, JSON parsing, and HTML rendering that is used across organization's projects
- Utilized RXJS to make a wide range of asynchronous API calls

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Teaching Assistant (Software Design and Development)

📅 January 2021- December 2021

Penn State, College of IST

State College, PA

- Taught foundations of programming and software design (data structures & algorithms, OOP) to 80+ students by leading office hours, guided tutorials, and lectures
- Used GitHub classroom to provide feedback and grading for hundreds of repositories

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Freelance Web Developer

📅 July 2019 - December 2020

- Developed a social emotional learning website for the Flux Creative 2 months ahead of schedule (penandpals.com) by using WordPress, HTML, CSS, and JavaScript leading to a 24% increase in website traffic
- Developed a website for a realtor using Wix leading to an increase of clients by 32%