

ZAHMIR JACOBS

Software Developer

z.jacobsdev@gmail.com

SUMMARY

A passionate software developer with over ten years of experience in the technology field, known for my hardworking ethic and exceptional problem-solving skills. Seeking to learn and master new technologies and be part of a team of driven and curious developers

SKILLS

Programming Languages

- HTML5/CSS
- Javascript
- Python

Databases

- MongoDB
- MySQL
- PostgreSQL

Libraries/Frameworks

- React.js
- FastAPI
- Node.js
- Typescript

Other

- REST APIs
- Agile
- Raspberry Pi
- Internet of Things

Tools

- Jira
- Git
- Linux
- AWS

EDUCATION

BUNKER HILL COMMUNITY COLLEGE

Business Administration

2017-2019

UNIVERSITY OF MASSACHUSETTS-LOWELL

Mechanical Engineering

Credits Earned: 54

EXPERIENCE

SOFTWARE DEVELOPMENT INTERN

GreenSightAG

August 2020 - March 2021

- Shipped new UI features for high-profile publicly traded companies using React, TypeScript, OpenLayers, Leaflet.js, and AWS
- Contributed to a team of four engineers in the military, NASA, and Fortune 500 companies
- Built Python scripts to perform MySQL database migration
- Tasked on regulatory maintenance of front-end web application to improve user experience
- Used ticketing software Jira

SOFTWARE ENGINEERING FELLOW

Resilient Coders

January 2020 -August 2020

- Designed mini web applications using software development tools such as HTML5, CSS, Javascript, React.js, Node.js, Express.js, MongoDB, and SQL
- Supported a small local restaurant in building a website to increase their web presence
- **Project:** Built a full-stack web application called, Plant Genesis, a web app displaying live temperature and humidity data from a Raspberry Pi using a DHT11 sensor. For the tech stack, I used React.js, Express, Vanilla JS, Socket.io, and MongoDB

COLLEGE MENTOR

Learn 2 Teach, Teach 2 Learn, South End Technology Center

2015 - 2019

- Taught and aided over two hundred school-aged children with various STEM projects involving Scratch, Engineering, Fabrication & Design, and IoT
- Fabricated 3D and 2D design projects through programs such as Inkscape, GIMP, Solidworks, TinkerCD, and Fusion360
- Operated Makerspace machinery: 3D printers, vinyl cutters, laser cutters, and CNC
- Developed embedded programming projects with the Arduino platform, Raspberry Pi, and other open-source software to create project such as a carbon dioxide rover and an IoT smart mirror

PROJECT

MAIL WATCH

Mail Watch is an IoT solution that notifies the user when mail has arrived at their physical mailbox.

Tech Stack: Python, FastAPI, PostgreSQL, TailwindCSS+ daisy, Pushover, and Raspberry Pi Pico W (Hardware)