

John Poku

Software Developer

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Work History

ImSimPy

Medical Imaging Simulator Contract | Full-Stack | Proprietary Code Base

- Implented 3D Voxel-based graphics and image processing techniques using tools such as Python, SciPy, numpy, tKinter, and ttk
- Translated MATLAB code base to efficient, scalable Object-Oriented Programming in Python
- Designed and configured a full front-end GUI using tKinter and ttk libraries
- Worked closely with team to follow AGILE development methodologies with MVP and deliverables

Allergy App

Allergy Grocery App| React | Full-Stack | Relational Database | REST API

- Designed and configured MySQL relational database setup using Amazon Web Services (AWS)
- Implemented and optimized stored procedures and functions in MySQL to be called by Express.js back-end endpoints
- Created a 19-endpoint REST API to communicate with stored functions and procedures in a MySQL relational database

Pokemon API

RESTful API Service | Back-End | Relational Database | REST API | AWS

- <https://johnpoku.com/pokeAPI/index.html>

- Designed and configured a MySQL relational database setup using Amazon Web Services (AWS)
- Implemented and optimized 13 stored procedures and functions in MySQL to be called by Express.js back-end endpoints
- Created 15-endpoint REST API to communicate with database MySQL

SKILLS

Software Development

JavaScript, Python, C#, Java, .NET Core

Web/Mobile

Swift, React, HTML, CSS, Node.JS , Express.JS . REST API

Development Tools

Git , Agile

Database

MySQL, SQL, SQLite

Cloud Services

AWS, Azure, Heroku

EDUCATION

2018 - Present

Computer Systems Technology | Diploma

British Columbia Institute of Technology - Burnaby, BC

2015 - 2018

Kinesiology | Bachelors

University of British Columbia - Vancouver, BC