

# John Poku

Software Developer

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## SKILLS

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<b>Software Development</b>	JavaScript, Python, C#, Java, .NET Core
<b>Web/Mobile</b>	Swift, React, HTML, CSS, Node.js, Express.js, REST API
<b>Development Tools</b>	Git, Agile
<b>Database</b>	MySQL, SQL, SQLite
<b>Cloud Services</b>	AWS, Azure, Heroku

## EXPERIENCE

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### ImSimPy

May 2020 -  
December 2020

### Medical Imaging Simulator Contract | Full-Stack | Proprietary App

- Developed a medical image simulator, designed to resemble medical tools, used for training and educational purposes
- Implemented 3D Voxel-based graphics and image processing techniques using tools such as Python, SciPy, numpy, tkinter, and ttk
- Translated MATLAB code base to be efficient, scalable, optimized, and follow Object-Oriented Programming methodologies in Python
- Designed and configured a full front-end GUI in Python using tkinter and ttk libraries
- Collaborated in a team to follow agile development methodologies with MVP

### Allergy App

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

- Designed and built a cross platform mobile app using React-native to inform users whether or not it contains a specific allergen
- Created and configured MySQL 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 REST API to communicate with stored functions and procedures in a MySQL database

### Pokemon API

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

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

- Created and configured a MySQL relational database setup using Amazon Web Services (AWS)
- Utilized JavaScript Web Token authentication
- Handled form validation with custom regex
- Implemented bad request and error handling
- Built and optimized stored procedures and functions in MySQL to be called by Express.js back-end endpoints

## EDUCATION

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2019 - 2020

### Computer Systems Technology | Diploma with Distinction Web and Mobile

British Columbia Institute of Technology - Burnaby, BC

2015 - 2018

### Kinesiology & Health Sciences Stream | Bachelor of Kinesiology

University of British Columbia - Vancouver, BC