

PRESTON PERRIOTT

Software engineering professional with 4+ years of experience building FDA regulated medical devices and applications.

SR. FULL STACK DEVELOPER

EXPERIENCE

SR. SOFTWARE DEVELOPER

Johnson & Johnson | July 2021 - Current

With Lead Blockchain engineer, architected and built a multi-tenant JavaScript application for insurers, and pharmaceutical vendors to interact with national clinical trials, patients, and drug/medical device treatments.

The core business application was to lock insurers into a smart contract representing their agreement to create a clinical trial based on specific patient, drug, and ailment criteria. The decentralized ledger technology would then keep an immutable record of the transaction for all end users to see.

FULL STACK SOFTWARE DEVELOPER

Johnson & Johnson | October 2018 – July 2021

Helped create and deploy a C#, data management API for an FDA approved surgical robotic arm. The robotic arm assisted surgeons with real-time data visualizations and predictions during knee replacement operations.

The api layer managed the separation of roles between the surgeons, patients and other end users on the system, de-identified any protected health information through numerous levels of encryption and sent real time data to the robotic arm.

With Lead and Sr. developers, designed and implemented a node API that allowed for real-time pub/sub interaction between Kafka and a supply-chain IoT device. The device was used to track the state of sensitive vaccine shipments in real-time, from temperature deltas to positional changes and other metrics, the API integrated with a front-end application used by the supply chain.

iOS SOFTWARE DEVELOPER

Johnson & Johnson | May 2017 - October 2018

Worked with the research and development team to engineer an iOS app that helped doctors test patients for depression, anxiety and mood disorders.

Provided Objective-C knowledge in managing, refactoring, and redeploying a legacy application that helped caregivers in tracking their autistic patients' actions in real time. Mapping root causes of outbursts and negative behavior using regular food, sleep and other lifestyle metrics.

iOS SOFTWARE DEVELOPER

NYG Strategic Consultants | May 2016 - September 2016

Developed an iOS app and backend for a start-up concept, "The Neighborhood". Using AWS and Stripe the development team incorporated recurring payments and custom analytics into the android and iOS app.

INSTRUCTOR / PROGRAMMER

Intra City Geeks | February 2016 - May 2016

Taught programming skills and concepts to middle school children at various schools. With assistance from the Mayor, Intra-City Geeks hosted several Hack-a-thons throughout the city.

EDUCATION

BACHELOR OF SCIENCE, SOFTWARE ENGINEERING

ASSOCIATE OF SCIENCE, COMPUTER PROGRAMMING

Johnson and Wales University | 2013 - 2017

CONTACT

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JavaScript/TypeScript

C#

Swift

Objective-C

Python

Scrum Methodology

Agile Development

Supply Chain Logistics

Microservice Design

Creational/Structural

Design Patterns

HIPAA Regulatory

Standards

CI/CD Methodologies