**PRESTON PERRIOTT**

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**PROFESSIONAL SUMMARY**

Software engineering professional with 7+ years building FDA regulated medical devices and applications.

**PROFESSIONAL EXPERIENCE**

**Merck**, Rahway, NJ

*Sr. Clinical Database Developer* - Feb 2023 - Present

* Completed the end-to-end process of setting up and rolling out clinical trials for Schizophrenia and Narcolepsy studies.
* Rebuilt the ETL process that controls the ingestion of lab vendor files. Leading a team of developers, we were able to inject a low code alternative into the current pipeline that allowed developers to configure the specific transformations for that vendor. Saving the company thousands of dollars in manual manpower per month.
* Led an initiative to migrate the organization from SVN to GitHub. The change management plan included preparing workshops, training subject matter experts, building working repositories and SOPs in preparation for the organizational change.

**Zus Health**,Boston, MA

*Technologist* - Mar 2022 - Oct 2022

* Worked on the ‘Universal Patient Index & Lens’ teams which directly interpreted client requests for extracting specific health data from a userbase, built in Golang.
* Extracting and mapping ICD, SnoMed, and CCI codes from a patient so that ailments and remedies were clear, is an example of a Lens for insurance purposes most closely related to Medicare/Medicaid systems.
* The underlying goal was to ingest external patient information to power an internal `Universal Patient Index` that would couple instances of a patient’s healthcare interactions into one singular universal patient.

**Johnson & Johnson**, Providence, RI

*Sr. Software Developer* - July 2021 - Mar 2022

* With Lead Blockchain engineer, architected and built a multi-tenant JavaScript application for insurers, and pharmaceutical vendors to interact with national clinal 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.
* Led the DE&I group/initiatives that planned book clubs, cultural understanding events, TED talks, and helped employees connect to resource groups.

*Full Stack Software Developer* - Oct 2018 - Jul 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* - May 2017 - Oct 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.

**EDUCATION**

**Johnson & Wales University**, Providence, RI   

* Bachelor of Science | Software Engineering May 2017, Magna Cum Laude
* Associate of Science | Computer Programming May 2017

**SKILLS & INTERESTS**

**Technical:** Scrum, Agile Development, CI/CD Methodologies, IaaS, TDD, AWS, Microservice Design

**Languages:** Typescript, Javascript, GoLang, Python, C#, Swift, Terraform