Sistania Bong

Interoperability Lead Engineer

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Enthusiastic Interoperability Lead software engineer and complex problem-solver with passion and expertise in leading the development of interoperable and data-driven healthcare software applications to enhance patient care and clinical efficiency. Highly proficient at leading an agile development throughout a software development life cycle (SDLC). Proven ability and knowledge in integration with a wide range of medical record system and healthcare system.

Skills

- EMR Integration
- Software Engineer
- Product Development
- Project Management
- Testing and maintenance
- Operational analysis
- Database administration

Programming Languages

- Python
- MySQL/PostgreSQL
- Django
- RESTful API/Web API
- OAuth2/SMART on FHIR
- MATLAB
- Apache Superset

Work History

2021-04 - Current

Interoperability Lead Software Engineer
Rimidi, Atlanta, GA

- Lead integration with major EMRs such as Cerner, Epic, Athena, NextGen, via FHIR APIs and HL7
- Extract medical record data by integrating with EMRs via FHIR APIs
- File data into EMR via FHIR APIs, HL7, CDS Hooks, AGL
- Implement SMART on FHIR launch within EMR by leveraging OAuth2/Open ID Connect and two-factor authentication

2019-05 - 2021-04

Software Product Development Engineer
Rimidi, Atlanta, GA

- Verify requirement data and data source to support requirements and create entity-relationship diagram and manage database structure via PostgreSQL.
- Design and develop custom RESTful APIs with Django-Python Web framework based on client's clinical workflow, and document and test APIs in Postman.
- Oversee front-end design and development team to ensure UI/UX meets product requirements and user stories.
- Plan, manage and run sprint cycles of development team.
- Oversee QA and lead debugging via dev tools, network log, shell and lead UAT process and provide demo for clients and internal support team via Xcode, Android studios, and TestFlight.

- Work closely with clients to gather and build business use cases and requirements and develop software application specification documents, and to ensure product acceptance and implementation by meeting clients' product technical, security, and clinical reviews processes.

2016-02 -
2019-02

Research Engineer

Emory University, Atlanta, GA

- Designed and led human experimental studies on people with Parkinson's Disease and applied engineering and human-robotic tools.
- Analyzed human electrophysiology and gait data using MATLAB, SAS and Microsoft Excel.
- Maintained records for experiments in RedCap, including IRB documents, HIPAA training, subject recruitments.

Education

2013-07 -
2015-12

Bachelor of Science: Biomedical Engineering

Georgia Of Institute Technology - Atlanta, GA

GPA: 3.5 (High Honor)

2011-08 -
2013-05

Associate of Arts and Sciences: Physics Science and Engineering

Bellevue College - Bellevue, WA

GPA: 3.7 (Distinction)