



Experience

Senior Software Engineer at Ria Health | August 2021 - Current

APIs Athenanet AWS CircleCI Docker JavaScript Material Meteor MongoDB Node.js
PostgreSQL Python React TypeScript Webhooks Websockets

Build a new appointment scheduling and management platform with licensure, insurance network, payer credential, state regulation-aware, and phase of treatment constraints; Eliminate non-concovered or possibly out-of-scope appointment bookings and reduce patient care delays in low-population subgroups using artificial intelligence to forecast demand and utilization with provider groups; Increases medical and therapy provider utilization per shift and lower cost per patient visit.

Implement multi-phase appointments allowing multiple providers to serve a patient in series with seamless user and provider experience for a block of time for patients; entirely within a single video conference session with multiple providers joining and leaving with seamless handoffs. Increases medical provider utilization further and creating a holistic care experience for patients to increase satisfaction and reduce churn.

Created patient-driven clinical assessments within our app to capture quantitative and qualitative measures of patient progress reducing clinical provider workload; Contributed and analyzed assessment data to guide medical research and process improvements.

Implement automated quality measures from patient feedback, and comments to enable medical and therapy organizations to assess patient-provider fit, and provider quality; Deliver results from A/B testing on which direction leads to better outcomes.

Implement digital learning content with ExperienceAPI record keeping allowing syncing with external systems to attest patient completion of training lessons on web and mobile.

Develop in-house electronic signature capture system; Reducing overhead to produce and capture patient contracts and disclosures; Enabling patients to complete and sign enrollment, clinical, compliance, and research documentation within iOS and Android apps.

Software Engineer at Integral Ad Science | March 2021 - August 2021

AWS AngularJS GCP Java JavaScript MySQL Python SCSS Snowflake Vue

Implemented new management tools and custom reporting formats; Contribute to design and implemented new APIs and micro-services for next-generation unified reporting.

Improved MRC accredited data reporting platform; Overhauled legacy platform to enhance speed, performance, and stability.

Collaborated with UX and Product teams to brainstorm, prototype, and implement new product features; Continuously improved platform from user feedback and new research.

Built automation to scrape, ingest, and map partner data to create comprehensive reporting.

QA Engineer at Integral Ad Science | July 2019 - March 2021

AWS Cucumber JavaScript Jenkins MySQL mocha PyTest Python Selenium

Developed comprehensive suite of automation for CI/CD pipeline for existing and new features; Avoiding regressions and down time by capturing bugs prior to release.

Modernized automated testing by implementing behavior-driven testing automation; Empowered teams to better utilize automated testing tools.

Computer Science and Math Educator at Leap Education | October 2015 - May 2019

Taught and engaged students in varied topics with lessons, in-class labs, and projects.

Education

Bachelors in Computer Science from New York University

Completed Coursework in Full Stack Web Development, Algorithms, Operating Systems, Computers Systems Organization, Parallel Computing, and Object Oriented Programming.

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