



Experience

Senior Software Engineer at Flagler Health | April 2025 - Current

APIs Athenanet Auth AWS CircleCI Docker JavaScript MongoDB Node.js Pinia SQL
TypeScript Vite Vitest Vue Vuetify Webhooks

Directed a multi-tenant healthcare platform, ingesting variable EHR data from major providers and creating structured, actionable records to power workflows, analytics, outcome measurement, and operations at scale. Built a next-generation clinical care delivery system with configurable workflows and automated red-flag triggers, generating actionable tasks for clinical teams and alleviating operational burden on clinic staff; integrated Twilio for patient communications and incorporated payer and scheduling data to streamline operational workflows.

Designed AI-driven task management with automation agents as first-class participants, capable of raising issues, assisting humans, and autonomously resolving or escalating minor tasks, including routine patient inquiries.

Developed an AI voice agent to automate front-desk patient engagement, expanding patient engagement for clinics; leveraged AI models and natural language processing to deliver tailored, efficient communication.

Senior Software Engineer at Ria Health | August 2021 - April 2025

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

Directed a nationwide telehealth platform with intelligent scheduling and care coordination, managing state, license, credential, insurance network, and phase-of-care constraints; enabled single-session visits with multiple providers, minimizing global patient wait times by applying AI-driven demand and utilization forecasting across millions of clinical and operational data points.

Developed patient-driven clinical assessment and digital therapeutics infrastructure, capturing longitudinal quantitative and qualitative data; integrated Bluetooth-enabled healthcare devices via SDKs and xAPI to standardize device and engagement data, powering operational analytics, research insights, and real-time guidance for clinicians and patients under regulated data handling requirements.

Implemented automated clinical studies to capture patient feedback and outcomes, generating peer-reviewed, published research and informing operational decisions in a regulated environment.

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; built APIs and microservices 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 prototype and implement new features; iterated on platform improvements using user feedback and 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 a comprehensive suite of automation for CI/CD pipelines using Python and Selenium, preventing defects and incidents before release.

Modernized automated testing by implementing behavior-driven testing; empowered teams to better leverage 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 | September 2015 - May 2019

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

Reach Me *You may be served a captcha to verify you are human.*

Get my contact info at jimjiang.com/about/contact