Arasan Kathiravan

WORK EXPERIENCE

AbleTo   **May 2021 – May 2024**
Senior Software Engineer

- Led development effort to automate insurance company integrations so that new insurance partners can provide mental healthcare to new patient populations without the original 4 days of development effort needed
- Implemented new onboarding flows for the patient referral scheduling tool using Laravel, MySQL, and Vue which increased initial consultations scheduled monthly by 12x
- Extended the care coordinator application by integrating it with the patient referral scheduling tool which removed the need for manually scheduling initial consultations by the Service Center
- Developed a new self sign-up patient onboarding flow that granted patients access to a companion iOS app using Ruby on Rails, Postgres, and React increasing revenue by $250k/month
- Developed reusable React components that were published to an internal library to improve organization-wide UI/UX consistency
- Implemented a pub/sub system for email/SMS appointment reminders using Node.js, MongoDB, GCP, and Braze resulting in a 23% increase in treatment attendance
- Enhanced microservices using Node.js to correctly process Providers so Patients can receive care across different AbleTo products
- Empowered other Software Engineers by leading Scrum meetings, mentoring, and routinely documenting technical specs

Sila Solutions Group   **June 2018 – May 2021**
Software Engineer

- Architected and implemented a full-stack audit logging solution for tracking aircraft maintainer activity in an interactive training manual using .NET Core, Postgres, and Angular to meet a compliance need
- Implemented a parts ordering system in the interactive training manual which was a key feature leading to a $2M. contract renewal with a Fortune 500 aerospace corporation
- Led a cross-team initiative to upgrade the interactive training manual from AngularJS to Angular 8 which prevented delivery of EOL code
- Optimized an integral xml parsing algorithm for the interactive training manual to run 32% faster
- Improved engineering practices by introducing a minimum amount of tech debt to be addressed each Sprint

Optum   **June 2017 – August 2017**
Software Engineer Intern

- Upgraded the EMR data pipeline by transforming ETL code from SQL to Apache Spark/Hadoop using Scala resulting in a 68% decrease in the time to complete a spec

EDUCATION

Central Connecticut State University   **June 2018**
B.S. Computer Science

SKILLS

Languages: C#, Java, PHP, TypeScript, JavaScript, Python, Dart, SQL, HTML, CSS
Technologies: .Net Core, Laravel, Ruby on Rails, Node.js, Angular, React, Redux, Vue, Flutter, MySQL, Postgres, MongoDB, Redis, Git, Google Cloud Platform, Firebase, Docker, Braze, Stripe, Salesforce, Auth0, Microservices
Tools: Jira, Sentry, FullStory, Looker, Figma, Postman