

Marudevi Jeyakumar

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SKILLS

Front End: React JS, Redux, TypeScript, JavaScript, Jest, Enzyme, HTML/CSS/SCSS

Back End: Java, Kotlin, Spring Boot, C#, .NET Core, AWS S3 Buckets, AWS Simple Queue Service (SQS)

EXPERIENCE

HEALTHCARE OF ONTARIO PENSION PLAN – Toronto, Canada

Software Engineer

May 2019 – Present

- Collaborated in an agile delivery team to build in-house investment web applications for front office traders, increasing the volume of trades processed by 80% for the pension fund
- Deployed over 20 UI trading application features to production in React, Redux, and TypeScript; using continuous integration and continuous deployment pipelines
- Facilitated the architectural design and development of scalable, maintainable REST APIs in Spring Boot and Kotlin; enhancing the accuracy of trade statuses by 50%
- Addressed low unit test coverage by practicing test driven development using Junit and Mockito; increased back end code coverage from 40% to 70%
- Actively resolved production issues and maintained legacy code; reduced the time to resolve production issues from 3 days to 1 day

HEALTHCARE OF ONTARIO PENSION PLAN – Toronto, Canada

Associate Software Engineer

May 2017 – July 2018

- Deployed an investment web application in an agile team within 6 months that improved the time to reconcile derivative trades from 2 weeks to 10 minutes
- Presented a repository of shareable front end React components to delivery teams to promote code reuse and unified styles; 4 teams leveraged the repository within 3 months of release
- Implemented an external facing web application for counterparties to communicate with internal traders; reducing time to coordinate complex trades from hours to minutes

DUBDUB, INC. – Toronto, Canada

Quality Assurance Intern

June 2016 - Aug 2016

- Performed manual regression testing for an iOS video editing application; identified and resolved 70% of critical bugs pre-App Store launch
- Introduced a customized automated testing pipeline aimed at eliminating manual regression testing using Appium iOS and Cucumber Plugins; after implementation, it decreased manual testing effort by 75%

PROJECTS

FACIAL TRACKING SYSTEM – University of Toronto

Software Developer

Sept 2018 – Jun 2019

- Built a facial tracking system in a team of 4 whereby a smartphone camera can track a human being as the person walks across a room in real time
- Analysed bottlenecks in performance on previous prototypes and proposed a design that leverages AWS IoT and hosted on an Amazon EC2 instance, resulting in real very low latency measured in milliseconds

PEER TO PEER BORROWING/LENDING APPLICATION – University of Toronto

Software Developer and Designer

Sept 2018 – Dec 2018

- Deployed a web application in a team of 6 using Ruby on Rails which improves how people borrow and lend their belongings within their community
- Designed user experience workflows which achieved a 90% satisfaction rating from test users

EDUCATION

UNIVERSITY OF TORONTO – Toronto, Canada

Sept 2014 – June 2019

Bachelor of Applied Science, Computer Engineering; Dean's List (2014, 2019)