Jason Felix Abraham

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EXPERIENCE

QiPath   **Oct 2023 – Present**
Software Engineer Intern   Boulder, CO
- Led the frontend development team in migrating QiPath's website from PHP to Angular/Node.js.
- Spearheaded optimizations resulting in a 50% reduction in report generation time.
- Utilized D3.js for dynamic and impactful data visualizations, enhancing overall platform aesthetics.

EDUCATION

University of Colorado Boulder   **May 2024**
Professional Master of Science   Boulder, CO
- GPA - 3.875 | Courses: Analysis of Algorithms, Data Center Scale Computing, Big Data Architecture.
- TA/Grader: Database systems, Data structures and CS as a field of Work and Study. Overseeing 700+ students while providing academic support.

Fr. C. Rodrigues Institute of Technology   **May 2022**
Bachelor of Engineering in Computer Science   Mumbai, India
- GPA - 9.09 | Courses: Machine Learning, Big Data Analytics.

PROJECTS

Doubt-support: Interactive Learning Hub with Chat, Canvas, and Coding
- Integrated sockets and APIs for real-time collaboration, enabling chat, canvas, and coding interactions.
- Dockerized application components for efficient deployment. Also ensuring a seamless user experience with streamlined access to leader/head privileges.

ZipNews: Real-Time Geographic News Explorer
- Led the frontend team of 3 in creating a dynamic website using React, Redux, and the react-leaflet library, enhancing UX, interactivity, and enabling users to view real-time news updates by states.
- Leveraged real-time data from Google BigQuery and Elasticsearch, containerized the application, and deployed it on Google Cloud Platform for seamless scalability and availability.

CrimeLens: Boston's Interactive Crime Visualization
- Led a dynamic team of 3 members to engineer an engaging React-based frontend with immersive maps for intuitive crime data visualization.
- Leveraged Apache Spark to efficiently process nearly 1 million data points. Implementing diverse modes and filters for users to explore and analyze crime data comprehensively

OTHER

- **Programming Languages**: Typescript, Javascript, Java, Python
- **Web Technologies**: ReactJs, Angular, NodeJs, NextJs, Flask
- **Databases & Others:** MongoDB, Redis, Google Cloud Platform, Git, Docker, Kubernetes
- **Certifications:** The Complete JavaScript Course 2023: From Zero to Expert!, The Complete 2023 Web Development Bootcamp, Docker Mastery