

# KEITH SEQUEIRA

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## OBJECTIVE

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Software Engineer with 2 years of experience in full-stack development, data-driven applications, and financial software solutions. Strong academic background with a Bachelor's in Computer Science and Engineering. Proven track record of delivering innovative web, financial, and machine learning projects with a focus on adaptability, collaboration, and building impactful software solutions. Seeking opportunities to leverage expertise and drive excellence in software engineering endeavors.

## TECHNICAL SKILLS

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**Programming Languages:** JavaScript, TypeScript, Python, Java, C, C#, SQL, Cypher, HTML5, CSS; **Frameworks & Libraries:** React.js, React Native, Node.js, Vite, Bootstrap, Tamagui, Shadcn UI, .NET Framework, Prettier, Mapbox GL JS; **Databases:** MySQL, Neo4j; **Cloud Platforms:** AWS; **Developer Tools:** Git, GitHub, CI/CD (GitHub Actions), XAMPP

## WORK EXPERIENCE

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### Software Intern

Interlinked

Apr 2025 - Present

*Remote - California, US*

- Develop and maintain responsive front-end components using Vite, React, and modern CSS for a scalable disaster response platform.
- Build a geospatial data pipeline using Python, Mapbox, and AWS S3 to support real-time evacuation zone mapping.
- Participate in code reviews, stand-ups, and technical discussions within the engineering team.

### Software Intern

Construction Consultant Group LLC

Jan 2024 - Dec 2024

*Remote - Delaware, US*

- Developed responsive and user-friendly web applications tailored to client requirements, ensuring optimal performance and usability across devices.
- Deployed and hosted web applications on Netlify, leveraging its automated build and deployment features for efficient delivery and uptime.
- Implemented CI/CD pipelines using GitHub Actions to automate testing, building, and deployment processes, resulting in faster and more reliable release cycles.

### Full Stack Developer

Citisoft Inc

Sep 2022 - Dec 2022

*Remote - Boston, US*

- Led a team of 5 in developing an Asset Management application using C# and the .NET Framework to meet the unique requirements of over 50 small-scale RIAs.
- Integrated real-life data for over 7,000 stocks into the platform using data integration techniques, ensuring users had access to accurate and up-to-date information.
- Created a sophisticated matching algorithm to pair clients with suitable investment products based on risk tolerance, objectives, and preferences, increasing matching accuracy by 35%.

### Java Developer

Redgate Software

Sep 2021 - Dec 2021

*Cambridge, UK*

- Collaborated in a team of 3 to develop a Budget Tracker application following software development best practices, improving financial reporting accuracy by 80%.
- Utilized object-oriented programming principles to refactor the codebase, simplifying it by 20% and ensuring scalability for future growth.
- Deployed testing frameworks to improve code quality, reducing defect rates during the testing phase of the project.

## PROJECTS

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### Meditation App (Ongoing) | *JavaScript, TypeScript, React Native, Tamagui, Node.js*

- Developing a cross-platform Breathing Exercise App using React Native and TypeScript, with dynamic user-defined settings for step durations and cycle repetitions.
- Integrating audio guidance and user-selected background music using Node.js and JavaScript, enhancing the overall user experience with customizable features.
- Building a responsive UI with Tamagui, ensuring seamless navigation and adaptive design across multiple device screen sizes, improving usability.
- Implementing data storage and retrieval functionality, allowing users to save and access their custom settings and exercise history, ensuring a personalized experience.

### Portfolio Website | *HTML5, CSS, Javascript*

- Developed a user-centric website with vanilla HTML, CSS, and JavaScript, featuring a dynamic menu for seamless navigation across sections.
- Built a responsive “Projects” section with CSS and linked GitHub repositories, improving project visibility.
- Created a mobile-responsive hamburger menu, interactive buttons, and icons with custom hover effects using CSS, ensuring smooth navigation across devices.

### Football Match Predictor | *Python, Pandas, Beautiful Soup, scikit-learn*

- Developed a custom machine learning model integrating features of gradient boosting, neural networks, and random forests to predict football match outcomes, achieving 78% accuracy.
- Automated data collection by writing a Python script for web scraping from FBref.com, reducing manual data collection efforts by over 50%.
- Improved predictive performance by 12% through feature engineering techniques like handling missing data and applying hyperparameter tuning.

### Database Design | *MySQL, XAMPP, SQL*

- Analyzed real websites to extract relevant entities and attributes for efficient database design.
- Configured XAMPP to set up a local web server and integrated MySQL for streamlined database management.
- Developed and executed SQL queries for data retrieval, focusing on performance optimization.
- Implemented indexing strategies (Unique and Composite) and optimized database operations by selecting appropriate JOIN types (INNER JOIN, LEFT JOIN) to enhance query efficiency and improve performance.

## EDUCATION

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**Bachelor of Engineering in Computer Science, 1st Class Honours**  
**Anglia Ruskin University**

Jan 2021 - Jan 2024  
Cambridge, UK

## LANGUAGES SPOKEN

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- English - Native, Portuguese - Basic proficiency