Madalyne Cross

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SUMMARY

Software engineer with experience in full-stack web development, specializing in Laravel and React. As a classically-trained musician and experienced educator, my strengths include breaking down complex tasks, attention to detail, communication and collaboration. Eager to bring my technical expertise and problem-solving skills to a dynamic team where I can continue to grow and make an impact.

TECHNICAL SKILLS

Software Languages: Php, Javascript, Python, SQL, HTML, CSS, Typescript, Java
Software Platforms/Frameworks: Laravel, React, Vue, Node, Docker, Angular

RELEVANT EXPERIENCE

Junior Software Engineer | November 2024 - Current | Smith & Associates, Houston, TX
- Develop custom support software for LMS webhook integration
- Enhance frontend migration incorporating React MUI Datagrid
- Implement full-stack solutions to improve user experience and system functionality

Junior Software Developer | February 2023 - November 2024 | Smith & Associates, Houston, TX
- Design and maintain custom support software for Learning Management System
- Lead migration of frontend from Vue.js to React improving performance and user experience
- Automate administrative workflows, reducing manual effort by 90%
- Develop a seamless LMS-podcast integration, enabling data collection within custom support software
- Optimize backend using event-driven architecture to enhance system performance, scalability, and reliability
- Improve software reliability through comprehensive test strategies
- Create and maintain thorough documentation of software and database structures, enhancing team understanding and streamlining onboarding processes for new developers.
- Optimize endpoints that retrieve data from SQL database by adding indexes and optimizing queries improving response time by 80%

Intern Leadership & Development | December 2022 - February 2023 | Smith & Associates, Houston, TX
- Add features to custom support software including a tabs view and full stack implementation of adding new users

ADDITIONAL EXPERIENCE

Suzuki Violin/Viola Instructor | 2012 - 2022 | Pakachoag Music School, Powers School of Music, Wayland School of Music, Madalyne Cross Studio, MA | Upper Valley Music Center, NH
- Teach private and group lessons to 40+ students a week, 3 - 18 years old
- Create an encouraging learning environment developing skills of attention to detail, a high standard of excellence, focus, dedication, respect, resilience and teamwork
- Collaborate with Suzuki faculty for group classes, recitals, and special events

Director of the Massachusetts Suzuki Festival | August 2017 - May 2018 | Suzuki Association of Massachusetts, Boston, MA
- Designing, scheduling, and organizing a multi-day conference
- Appointment of music faculty, recruitment and enrollment of 200+ student participants
- Developing and implementing collectively-used scheduling tools in Excel
- Payment processing and budget management
- Maintaining smooth communications between administration and participants throughout event

EDUCATION

Bachelor of Science in Computer Science Oregon State University | Fall 2024 - Expected Completion May 2028 | Online

Rice University Full Stack Certificate | May 2022 - November 2022 | Houston, TX
Software Languages: Javascript, SQL, HTML, CSS
Software Platforms/Frameworks/Packages: jQuery, Bootstrap, Node.js, MongoDB, Express.js, React.js, MERN Stack, RESTFul APIs, MongoDB, GraphQL with Apollo, Nodemailer

Masters of Music, Viola Performance with an emphasis in Suzuki Pedagogy from the University of Hartford | May 2012 | Hartford, CT

Bachelors of Music, Viola Performance from New York University | May 2008 | New York, NY