

Philip Demand

Full Stack Software Engineer

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TECHNICAL SKILLS

Ruby on Rails, React.js, Javascript (ES6), Ruby, HTML/CSS, PostgreSQL, JSON, Active Record, MySQL, Restful API

PROJECTS

Gig-Board - Booking App for Gig-Seekers and Gig-Holders

[Website](#) | [Github](#)

Ruby | Ruby on Rails | Active Record | Javascript | React | Render | PostgreSQL

- Developed a Rails/React app leveraging Delegated Types, providing distinct user experiences for user types.
- Implemented robust backend error handling and security using BCrypt to ensure a secure user experience.
- Encapsulated SQL query logic using principles of Object Orientation, code modularity and readability.

E-Vent - Attendance and Event Management App

[Github](#)

Ruby | Ruby on Rails | Active Record | Javascript | React | PostgreSQL

- Designed a user-friendly interface for posting events, utilizing React for dynamic frontend rendering.
- Implemented backend error handling using Active Record validations, ensuring data integrity
- Composed component-based architecture following best practices of code reusability and separation of concerns

WORK EXPERIENCE

Educator - Director of Instrumental Music (Grades 4 - 8)

2004 - 2023

The Cornerstone Christian School - Manchester CT, Bolton Center School - Bolton CT

- Developed and implemented curricula using SmartMusic, an AI tool, to facilitate reading, tone, and technique.
- Designed and fabricated adaptive instruments, enabling seamless integration of special-needs students into the performance experience
- Trained colleagues in advanced media recording and editing techniques, transforming individual home recordings into cohesive productions that replicated the experience of stage performances during the Covid era.

Piano Technician, Music Director, Collaborative Pianist

2007 - Present

- Utilize data-driven decision-making and Internet-of-Things tools for piano tuning, maintenance, and repair
- Manage, perform, and collaborate with a diverse team of musicians, delivering a high-level musical output over hundreds of live performances
- Direct, conduct, and arrange for a local professional orchestra supporting the Hartford Gay Men's Chorus

EDUCATION

Flatiron School

Software Engineering

New York, NY

February 2024

University of Connecticut

Bachelor of Arts in Music, Bachelor of Science in Education

Storrs, CT

May 2004