

# Philip Demand

## Full Stack Software Engineer

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### TECHNICAL SKILLS

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

### PROJECTS

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#### 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

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#### 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

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#### 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