

William Wilson *Software Developer*

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in LinkedIn 🐙 Github

Education

Audio Engineering 2017 – 2019
Art Institute of Las Vegas

Proficiencies

- | | | | |
|----------------|----------------|--------------|--------------|
| - Javascript | - Java | - HTML | - CSS |
| - React | - Git | - Expo | - NativeBase |
| - React Spring | - React Native | - Reanimated | - Mongoose |
| - ContextAPI | - Spring Boot | - PostgreSQL | - Express |

Technical Experience

Pomodoro Timer 🔗 2023

- Developed the task management system that allows users to add, archive, and delete tasks
- Programmed the timer, enabling time tracking and statistical visualization of productivity intervals
- Designed the user interface and user experience, prioritizing intuitive actions and an easy to use layout
- Utilized client side data persistence, allowing users to save and continue from previous sessions

Conways Game of Life 🔗 2023

- Programmed algorithm based on a sparse representation to efficiently simulate and animate cell generations in Conway's Game of Life increasing performance by over 30%
- Designed an automatic detection system for the simulation's end state, providing seamless transitions between the simulation and completion screen

Preem Freelance Server 🔗 2020

- Implemented OAuth2 authentication and authorization system with Spring Security, encompassing user credential encryption, custom exception handling, token management, and role-based access control
- Configured an automatic password recovery system, leveraging security questions for expedited and secure password resets
- Built a comprehensive Freelancer and Client Contract Service, enabling efficient profile management and CRUD operations
- Engineered a dynamic job board with backend pagination, enabling advanced searchability for freelancers
- Implemented service for freelancers to apply to client posts and for clients to select freelancers, fostering direct contract initiation
- Optimized user image uploads to S3 with an implemented data compression/decompression algorithm, enhancing storage efficiency and speed