

Jun Hyeok Lee

Software Engineer - [Portfolio](#) [Github](#) [LinkedIn](#)

New York, NY
(201)602-4456
gnomejun@gmail.com

PROJECTS

BeatCloud

[Live Link](#) / [Github](#)

Full stack pixel-perfect web clone of SoundCloud using React/Redux for frontend & Ruby on Rails for backend where users can upload music into their artist page

- Integrated React/Redux with HTML5 Audio Element to build an asynchronous media player that mounts to the DOM on click and stays rendered to the page while browsing with accurate time ticks and various playback functions
- Developed a custom track CRUD utilizing an upload page that uses Active Record/PostgreSQL to upload tracks directly to AWS S3
- Utilized react component to isolate the play button as a separate entity in order to allow any tracks on any page to play on the media player

BoBudget

[Live Link](#) / [Github](#)

Backend Lead for MERN Stack project where users can search for bobas in nearby stores and customize a budget that tracks purchases

- Designed and built the backend data structure that holds user budget information as well as details for bobas with Mongoose/Express using MongoDB Atlas as the database
- Incorporated RegExp to implement a search algorithm to look for bobas that contain the keyword while ignoring case-sensitivity
- Formulated a random boba recommender widget by sampling index from an array along with falling boba animations using CSS webkit tools

AudioNotes

[Live Link](#) / [Github](#)

Interactive 25-note step sequencer using Javascript and Tone.js with 4 different synths and 3 pattern choices (4-beat, 8-beat, 16-beat)

- Implemented a piano-roll that highlights rows based on key pressed in order to indicate the note represented with CSS inline styling
- Created functionality for users to play, pause, rewind, and clear their step sequence as well as the option to select from different synths using Tone.js
- Utilized event listeners to keys pressed in the piano and the sequencer to connect to Tone.js and play the note using the user-selected synth

EXPERIENCE

IBM - Command Center Mainframe Operator

AUGUST 2017 - SEPTEMBER 2019, NEW YORK

- Provided Tier 1 Hardware and Application support in IBM's z/OS Mainframe environment for Console & Batch Operations
- Designed/implemented automation using JCL to clear old batch jobs and lowered average job queue CPU% usage by over 20%
- Solely responsible for operating the Command Center Operation website

Verizon Wireless - Console Operation / Tape Operation

AUGUST 2017 - SEPTEMBER 2019, NEW YORK

- Managed StorageTek SL8500 Stream Line Consoles to perform silo audits and log extractions, as well as organizing silo inventories
- Led the overseeing of IBM TS7760 Virtual Tapeless library environment and created/tracked hardware service calls

SKILLS

Programming: React.js, Ruby on Rails, JavaScript, jQuery, Ruby, Redux, SQL, Postgres, Git, Heroku, HTML5, CSS3, RSpec, Mongoose, MongoDB, Node.js, Express, Webpack, AWS S3

Mainframe: TSO, CA7, CA11, MVS, JES2, CICS, DB2, MQ, JCL, HMC

Others: MS Word/Powerpoint/Excel, Music DAW (Fruity Loop, Ableton), Photoshop, After Effects, **Fluent in:** English/Korean

EDUCATION

App Academy

Full-stack
Web Development Program

JANUARY 2020 - MAY 2020,
NEW YORK, NY

Syracuse University

Bachelor of Science -
Information Technology

AUGUST 2009 - MAY 2013,
SYRACUSE, NY