Pawan Benjamin
Software Engineer | Germantown, MD

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Technical Skills
Proficient: JavaScript, Node.js, ES6, HTML5, CSS, React, React-Native, Redux, Express, Webpack, PostgreSQL, Sequelize, Git, Passport, Firebase, Heroku
Knowledgeable: Socket.io, TDD (Mocha, Chai, Jasmine), Oauth

Projects
Byte Dance Revolution
Role: Lead Back End Developer Github: https://github.com/HarryPotterAndThePhoenix-Sort/ByteDanceRevolution
- Used Tensorflow.js machine learning library and posenet to track user movements and calculate exact position scores
- Used Firebase to store user data, media, authentication and deployment in an agile development environment
  Technology Used: React, Firebase, TensorFlow.js, Posenet

Sita's Kitchen Role: Sole Developer Github: https://github.com/pawanbenjamin/sitas-kitchen
- An e-commerce site where users can browse items (Nepali sauces), add to cart and checkout
- Implemented RESTful API endpoints to create, edit, and delete items as an admin user
  Technology Used: React, Redux, Sequelize, Express, Webpack, Heroku, Passport, Express-Sessions

Publications
An intro to the Web Audio API https://pawanbenjamin.medium.com/a-basic-introduction-to-the-webaudio-api-fe76ff3552ff
DEMO: Simple Synthesizer in the browser with React GitHub: https://github.com/pawanbenjamin/simpleSynth

Work History
Fullstack Academy - NY **Nov 2020 - March 2021**
Software Engineering Teaching Fellow (Web Development Fellowship)
- Mentored scholarship students though NERD stack (Node.js, Express, React, DB with SQL)
- Conducted mob-coding sessions
- Agile Project Management Experience, leading standup meetings and directing workflow of student projects
- Conducted Code reviews which analyzed code, and recommended new effective and more efficient solutions
- Lead algorithm lectures and explanations for classes for 40+ students

Pawan Benjamin Music – New York, NY / Worldwide **2010 – Current**
Performer, Composer, Arranger, Producer, Educator
- Performances credits include Lincoln Center, the Newport Festival, the MOMA(NYC), NCPA (Mumbai, India) and more
- Private lessons and Master-Classes taught at the professional and collegiate level across the globe
- Collaborated with artists such as NEA Jazz Master Roscoe Mitchell, Modern Dance Icon Bill T. Jones, among others

True School of Music – Mumbai, India **2013-2015**
Associate Dean of Students, Professional Program Course Director
- Developed and authored college level course curriculum, organized and directed classes and programming
- Managed and directed an international faculty across all school departments, ensured quality teaching and curriculum implementation
- Taught Theory, Ear Training, Improvisation, History, as well as Combos, and Private lessons

Education
Fullstack Academy of Code - 2020
Certificate – Software Engineering - 17 Week Immersive, JavaScript, Node, Express, React, Redux, Sequelize
Manhattan School of Music - Bachelors of Music - 2010
Performance degree in Jazz Saxophone, Scholarship Recipient

Awards and Honors
US State Department Grant for Programs and Workshops in Bhopal, India
Van Lier Performing Artist Fellowship Award from Asian American Arts Alliance
National Foundation for the Advancement of the Arts MERIT award in Jazz Saxophone
Latin Grammy Nomination for *Kenya! Revisited*, featuring NEA Jazzmaster Candio Camero

Languages: English, Nepali, Hindi, Spanish