

# Michael Delgado | Software Engineer

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## Skills

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**Languages:** Python, Javascript, HTML, CSS, SQL, Bash, learning Rust

**Technologies:** Django, Django REST Framework, Pandas, unittest, FreezeGun, Express, Bootstrap, React, jQuery, AJAX, Axios, Jest, React Testing Library, Mock Service Worker, Cypress, Material UI, React-Bootstrap

**Database:** PostgreSQL, SQLite, Django ORM, MongoDB, Mongoose ODM

**Tools:** Git/GitHub, Pipenv, pip, npm, Postman, Docker, CircleCI, Heroku, Atom, Neovim, tmux

## Experience

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**Recruiter.com**, Remote

Sep 2021-Present

*Software Engineer, Contract*

- Owned full software development life cycle of an internal company web app in order to aggregate ML training data set.
- Designed and developed backend with Python, Django, Django REST framework configured to Postgres.
- Migrated existing data set to database with Python scripts utilizing Pandas and Django's default ORM.
- Created web app UI to designer spec using React, Material UI, CSS, and Axios for API requests.
- Performed automated testing using Django TestCase, FreezeGun, Postman, Jest, React Testing Library, Mock Service Worker, and Cypress.
- Worked directly with CTO to deploy to AWS architecture utilizing Gunicorn, NGINX, Docker, Kubernetes, and CircleCI.
- Onboarded non-technical stakeholders to the new platform and handled support requests as needed.

## Projects

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**Bandr** · [Frontend Repo](#) · [Backend Repo](#) · [Deployed App](#)

*A match-making application for musicians and event planners.*

- Designed and developed Node.js backend with Express configured to MongoDB database utilizing Mongoose ODM to create custom user, profile, and match data models.
- Built frontend UI with React, React-Bootstrap, and React Router using Hooks to manage local state of functional components and Axios to connect to API endpoints.
- Deployed web app to GitHub Pages connected to Heroku server configured with MongoDB Atlas cluster.

**devHead** · [Frontend Repo](#) · [Backend Repo](#) · [Deployed App](#)

*A full-stack social network application for developers by developers (Group Project)*

- Lead a team of three developers in frontend and backend architecture of a MERN stack web app.
- Developed user stories and data models, implemented backend routes and frontend logic, and managed team version control workflow by resolving merge conflicts.

**Songcircle** · [Frontend Repo](#) · [Backend Repo](#) · [Deployed App](#)

*A full-stack social network application to share your favorite songs*

- Architected Node.js backend with Express using passport middleware and bcrypt for user authentication.
- Connected backend API to MongoDB Atlas cluster and deployed and hosted the server on Heroku.
- Created web app UI with HTML, CSS, Javascript, and Bootstrap utilizing jQuery to manipulate DOM events and AJAX to manage API request handling.
- Deployed frontend to GitHub Pages with Grunt and configured Heroku server to MongoDB Atlas cluster.

**Tic-Tac-Toe** · [Frontend Repo](#) · [Deployed App](#)

*An interactive frontend tic-tac-toe game application with user authentication*

- Designed an interactive game board and reusable authentication forms with HTML, CSS, Javascript, jQuery and Bootstrap.
- Connected to a backend API to create and store user and game state data utilizing AJAX requests.
- Implemented custom frontend logic to validate game state with Javascript.
- Utilized Grunt to build and deploy a production web app hosted on GitHub Pages.

## Education

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Software Engineering Immersive, **General Assembly**, Remote

Mar 2021-Jun 2021

B.A. in Molecular Biology, **Princeton University**, Princeton, NJ

Sep 2013-Jun 2017

Independent Research in Biochemistry, **Oxford University**, Oxford, UK

Sep 2015-Dec 2015