Brian Ruiz
Software Engineer

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SKILLS

Python:
Python 3, Django, Django REST, Flask, Jinja2, NumPy, Pandas, Jupyter, Matplotlib, Scikit-Learn, data analytics, machine learning

Web development:
JavaScript, HTML/CSS, Sass, Gatsby, GraphQL, React.JS, AJAX, Bootstrap, jQuery, Vue.JS, UI / UX, web apps, PWA, analytics dashboards, REST APIs, HTTP requests

Other:
Git, GitHub, AWS, EC2, S3, Docker, Travis CI, Netlify, Heroku, MongoDB Atlas, SQLite, PostgreSQL

EDUCATION

University of Houston -Downtown, Houston, TX
Bachelor of Science, Computer science
3 years

ACHIEVEMENTS

Microsoft Azure:
1st place at Hackathon, Smart-Infrastructure IoT
December, 2019

HackerRank:
Python, Algorithms & Data Structures
August, 2020

LANGUAGES

English
Excellent
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Spanish
Native
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EXPERIENCE

09/2020 - Current
Software Engineer
PeriShip | PeriPharma
Branford, Connecticut (remote)

- Contributing, in full-stack approach, to agile development of Django (Python) web applications, tracking ~100k wkly shipments.
- Develop efficient and scalable ORM algorithms on class-based views to query and interact with MongoDB based models.
- Integrated AJAX with various SPA's to asynchronously perform HTTP requests.
- Design, and test dynamic front-end components with jQuery, Vue.js and BS4

09/2019 - 04/2020
Python Developer
Consolidated Asset Management Services
Houston, TX (contract)

- Contracted to develop (fintech) assets analytics oil & energy SaaS project(s).
- Software monitored data from power plants, and provided valuable insights to asset managers and cut 15% off operational costs
- Automated data pipeline on AWS EC2 with Flask (Python) framework, pulling data from S3 buckets, processing CSV's files to produce live updating Matplotlib data visualizations.
- Redesigned apps UI / UX to be cross-platform responsive using Bootstrap and Sass.

05/2019 - 08/2019
Coding Instructor
University of Houston
Houston, TX

- Conducted project based learning for 60+ secondary-school students for an internationally accredited STEM camp.
- Taught procedural programming with Arduino's, video game logic design, and Java principles of object-oriented programming.

PROJECTS

COVID-19 Dashboard
Django, Plotly, JS, AJAX Pandas, Heroku, Travis CI

- Designed and Developed COVID-19 analytics dashboard, allowing users to explore real-time datasets and statistics of pandemic cases.
- Dynamic asynchronous web-app features automated data reading, interactive charts and maps, CI/CD, and a mobile friendly UI / UX.

Favours-io
Django, REST API, Flutter, PostgreSQL, AWS,

- Developing a location-based app, where users post "favours" in exchange for cash.
- Hosted on Linux Ubuntu server with Apache HTTP using Django WSGI, and storing files on scalable AWS S3 buckets.
- Designed REST API with DRF, consumed by Flutter for native iOS/Android apps. with CRUD operations to the database

Bump.IT
Microsoft Hackathon

Azure Logic Apps, React, Computer Vision, Jupyter

- Our app concepts the initiative to help impact a $3 Billion dollar road potholes issue.
- Implemented pipeline for processing of mobile telemetry data, mapping with GeoPy, and automating user SMS notifications.
- Helped with training unsupervised ML model to categorize cases and images