

# PHILIP HUYNH

Software Engineer | Somerset, MA (Open to Remote) | (774) 644-6410  
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## TECHNICAL SKILLS

**Languages** - JavaScript, Typescript, Python 3, Ruby, Bash

**Front End** - HTML, CSS, React, Redux, DOM manipulation, jquery, Bootstrap, MaterialUI

**Back End** - Node.js, Express, Django, FastAPI, Flask, PostgreSQL, MongoDB, MySQL, RESTful API, Microservices

**Testing/Deployment** - Jest, Mocha, Chai, pytest, CI/CD, NGINX, **AWS**: Amplify, EC2, S3, SAM, Cloudformation, Route53

**Developer Tools** - Vim, Git, npm, pip, RubyGems, Vite, Webpack, Babel, Docker

## PROFESSIONAL EXPERIENCE

### Software Engineering Immersive Resident, Galvanize Inc, Remote

5/2022 -Current

- Worked with an Agile team developing, maintaining, and updating the core Galvanize systems including the Student Information Systems and Interactive Course Software used daily by 1500+ students and staff.
- Developed ELT process in a Django back-end to distribute student data across Postgres tables in order to streamline the work of the administrative teams and eliminate hours spent doing data entry.
- Converted Django views to RESTful API endpoints and updated server rendered templates to React components in order to improve the UI/UX for specific Student Information System features.
- Implemented dashboards for instructors and cohort leads to allow them to toggle features, manage student improvement plans, and document student interactions.
- Mentored 300+ students and provided supplemental instruction in Python, Javascript, HTML, CSS, React, Django, FastAPI, PostgreSQL, Microservice architecture, Docker, Auth, CI/CD, and core computer science topics.

## SOFTWARE APPLICATION DEVELOPMENT

### Software Engineer | Quickstarter: Django microservice structure generation automation | [View on gitlab](#)

2022

- Used Bash and Python to script the creation of large applications in Django enabling the creation of up to 50+ microservices with complex poller, queue, and pub/sub connections in under 5 minutes.
- Created a Bash/Zsh CLI to accommodate manual input or the use of custom configurations in json or yaml.
- Implemented data sanitizing and error handling that includes detailed messages and prompts that allow users to correct errors when they occur to achieve stable consistent creation of application structures.

### Full Stack Engineer | Strings Theory: Tools for music education and analysis | [View Live App](#) | [View in github](#)

2022

- Developed a RESTful API with Node and Express js to give the application access to tonal analysis data for 697 scales and 850 chords created by custom tonal mapping algorithms.
- Designed and built a highly interactive UI with React and CSS that allows users to view musical structures on 9 instruments in 15 tunings, switch between left and right handed views, and analyze the information with 7 tools .
- Added a Jest test suite and deployed application to an Amazon Web Services EC2.

### Frontend Engineer | Osiris: Connects donors to local charities through item listings | [View in github](#)

2021

- Designed frontend routes and page layouts, and integrated all frontend components with our REST API.
- Built donor and organization feeds, post filter and search, and donation features with responsive React and CSS.
- Integrated our custom auth library with the frontend and customized page views based on user roles.

### Full Stack Engineer | Ari Ferdinand: e-commerce application for clothing | [Front-end github](#) | [Back-end github](#)

2021

- Designed Postgres tables for product reviews, performed ELT for 31 million lines of csv product data, and implemented a RESTful API for the product review service.
- Improved lighthouse score by 40% with code splitting, lazy loading, and compression, performance tuned app to decrease local query time from 2200 ms to 7 ms, and scaled EC2 services with NGINX to accommodate 5000 rps at 385ms across 1 million products
- Integrated REST API with the frontend features, developed reusable React components for use across the frontend, and implemented all parts of the questions and answers feature.

## EDUCATION

### Advanced Software Engineering Immersive Program, Hack Reactor

- 12-week advanced software engineering immersive program with 1000+ hours of coding. Full-Stack development with JavaScript, React, Express, PostgreSQL, MongoDB, and MySQL in an AGILE environment.