Corbin Bullard
Software Developer

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CAREER SUMMARY

After getting my B.A. in Music from North Greenville University, I found myself at a crossroads. Teaching music one-on-one was rewarding, but I felt a pull towards another passion—Software Development. I decided to dive into a rigorous software engineering bootcamp at App Academy to lay a solid foundation in full stack development that would launch my career. That decision kicked off an exciting journey: from interning as a full-stack developer, to diving into hackathons, and now, doing freelance work that helps small businesses grow. Every step has been about growing, learning, and embracing the challenges and joys of this new path.

SKILLS

Languages: JavaScript, TypeScript, Python, SQL, HTML,HTML/ CSS,
Frameworks/Tools: JavaScript, React, React Native, Redux, React Query, Express, SQL, Python, SQL, Flask, SQLAlchemy, Sequelize, Node, HTML/CSS, Git, Github, MongoDB, Next.js, TypeScript, Ant Design
Key Skills: Pair Programming, Test-Driven Development (TDD), Object-Oriented Programming (OOP), Scrum Methodologies

PROJECTS

Prime Promos Management App. (React / Express / PostgresQL)
Prime Promos is a custom merchandising and printing company and this app is an internal app designed to streamline the process of managing orders for Prime Promos.
- Created a way for only users that the owner invites to be able to create an account from an invitation sent to their email containing a token that is validated when the user signs up via email/password or using Google's OAuth2.
- Created a secure backend that is heavy on different permission and access for different levels of permission given to each user by the owner.
- Implemented an easy way for users to input information needed for each order as it progresses through different stages of ordering as well as a way for the owner to backtrack any information from any given status for the order.
- Incorporated Ant Design for an enterprise look for the frontend.

Cod Mountain Fish Co. (React / Flask / MongoDB)   live | [github](#)
Cod Mountain Fish Co. is a premier charter fishing company located in Santa Cruz, California, offering unforgettable guided fishing tours of the beautiful Monterey Bay.
- Designed and optimized the backend routes to give easy to use functionality as well as leaving it open to scalability.
- Developed a secure and subtle way for the owner/admin to login and perform different CRUD features for the site.
- Created a booking system for people to book their services.
- Utilized Tailwind.css to make a beautiful frontend design.

Hello Home Cleaning Co. (Next.js 13 / MongoDB)   [live](#) | [github](#)
Hello Home Cleaning Co. is a small business in Ohio that provides home cleaning services.
- Designed and optimized the database schema, improving data retrieval and storage performance.
- Developed a scalable and secure back-end system with user next-auth to have a quick and secure user authentication.
- Utilized the new Next.js 13 App router system to create a readable and scalable full-stack application.
- Used Stripe to implement online payments.
- Incorporated Tailwind.css to make a beautiful frontend design.

Delay (React / Redux / Express / Sequelize / Postgres)   [live](#) | [github](#)
Delay is a full-stack e-commerce application that is a clone of Reverb.com.
- Designed and optimized the database schema, improving data retrieval and storage performance.
- Developed a scalable and secure back-end system with user authentication, authorization, and data persistence using

Sequelize.js and PostgreSQL.

- Utilized the React.js framework as well as Redux.js to create an intuitive and visually appealing user interface with full CRUD functionalities for the user to interact.
- Deployed the e-commerce website to a production environment, ensuring scalability and security while adhering to industry best practices.

Snack (React / Redux / Flask / SQLAlchemy / Postgres)   live | github
Snack is a real-time messaging app that is clone of Slack.
- Created a full-stack web application that allows users to communicate in real time using web-sockets.
- Collaborated with a team of engineers to design, build, and deliver the project within an agreed timeframe.
- Designed and implemented a user-friendly interface with features like channels, messages, threads and reactions.

BearBnB (React / Redux / Express / Sequelize / Postgres)   live | github
BearBnB is a full-stack AirBnb clone.
- Implemented the front-end using React.js and Redux.js to handle user authentication, property listings, bookings, and reviews.
- Employed version control using Git to track changes and maintain code integrity.
- Documented the project specifications, technical details, and codebase for future reference and maintenance

EDUCATION

App Academy   Spring 2022
- Full-stack web development program prioritizing software engineering best practices.
- Covered topics such as data structures and algorithms, object-oriented programming (OOP), test-driven development (TDD) as well as learning full-stack web development.

Bachelor's of Arts in Music
North Greenville University, Tigerville, SC
Relevant courses
- Cyber-security: This class introduced the different vulnerabilities of web-applications as well as common web-based attacks. This class also taught the fundamentals of Cryptography including encryption and hash.
- Introduction to C#: This class taught how to code using C#.

EXPERIENCE

Freelance Full Stack Developer - *Self Employed*
February 2024 - Present
- Developing custom web and mobile applications for small businesses, creating solutions that serve both their internal and external needs.
- Use React for front-end development and Express for the back end, ensuring a smooth and responsive user experience. Depending on the project's requirements, I choose between MongoDB and PostgreSQL for the database to provide the best fit for data storage and retrieval.
- Work with popular UI libraries to achieve the desired look and feel. Material UI helps create timeless designs, Ant Design is perfect for more formal, enterprise-level applications, and Tailwind CSS offers the flexibility to build completely custom designs. This approach allows me to deliver applications that are not only powerful and efficient but also visually appealing and easy to use.

Software Engineer Intern - *Preset*
September 2023 - December 2023
- Contribute to the advancement of the Apache Superset project by actively engaging with the codebase, adeptly resolving issues, and delivering impactful pull requests.
- Engaged actively in daily stand-up meetings, collaborating with a team to tackle a number of different fixes and features.

Private Music Teacher - *Self Employed*
2019 - 2022
- Successfully operated an independent music instruction business, providing personalized instruction and guidance to 20+ students of varying ages and skill levels.

- Utilized effective teaching methods to enhance students' musical skills, technique, theory, and performance abilities, resulting in notable student progress and achievements.
- Developed strong relationships with students and their families, maintaining open communication and providing ongoing support and feedback.
- Demonstrated patience, adaptability, and strong interpersonal skills in working with diverse student populations, fostering a positive and encouraging learning atmosphere.