

Devin P. O'Brien

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PROFESSIONAL EXPERIENCE

Full Stack Engineer, Jahnel Group - Schenectady, NY

June 2022 - Present

- Play a key role in the design, development, and deployment of web applications, resulting in consistent delivery of client requested features.
- Collaborate with cross-functional AGILE teams to develop robust and scalable software solutions.
- Demonstrate proficiency in a variety of UI frameworks (React, Vue, Angular, Svelte), contributing to the creation of responsive and user-friendly interfaces.
- Work with a number of backend frameworks (Node, Express, Django, Flask, Next, ASP.NET) and cloud services (AWS, GCP) to deliver consistent and reliable APIs.
- Conduct code reviews, identify and draft tickets for areas of improvement, and provide mentorship to other team members, fostering a culture of continuous learning.

Code Owner and Full Stack Engineer, NeuroExed Neuroscience Laboratory - Albany, NY

September 2018 - Present

- Reduced monthly cost of expenses by around 70% by replacing outdated resources and migrating services to AWS.
- Established as the sole full-stack developer, and code owner of a suite of websites serving the lab group.
- Designed and implemented a scalable and cost-effective Python API hosted on AWS Lambda, fronted by API Gateway, optimizing resource utilization.
- Oversee all of the lab's web applications including React Apps, Wordpress sites, and cloud/API resources in AWS.
- Manage the technological budget, ensuring cost-effectiveness and optimal allocation of resources.

Software Development Intern, Content Critical Solutions, Inc. - Melville, NY

Jun. 2021 - Jan. 2022

- Built a PHP-based web-portal for the live management of manufacturing, packaging, and shipping.
- Developed a python application to track the printing, packing, and shipping of files into a database, alleviating the workload of faculty and floor workers.
- Revised, condensed, and documented several existing projects, creating reliable documentation for future developers.

NOTABLE PROJECTS

DEAL Web Application, Warner Bros. Discovery - Remote Contracting

Dec. 2023 - Present

- Collaborate in the maintenance and enhancement of a complex web application facilitating seamless connectivity between video distributors and streaming platform clients.
- Demonstrated proficiency in full-stack development, contributing to both the Angular UI and the Java/Springboot/SQLServer APIs.

Maro For Schools Web Application, Maro - Remote Contracting

Jun. 2023 - Dec. 2023

- Drove the software development initiatives of a React/TypeScript/Tailwind UI for a groundbreaking startup focused on providing advanced mental health screening management tools to schools and parents.
- Engineered a robust Node.js/Express/TypeScript server hosted on AWS EC2, optimizing performance and ensuring seamless communication between the front-end and back-end components.

CDChoices Web Application - Remote Contracting

Dec. 2022 - Jul. 2023

- Developed a React-based User Interface adhering to healthcare and accessibility standards, ensuring a user-centric design that prioritizes inclusivity and compliance with industry regulations
- Built AWS CDK infrastructure to manage cloud resources leveraging AWS S3, Lambda, API Gateway, RDS, ECS, and several other services to optimize performance, scalability, and cost-efficiency.
- Utilized Docker to containerize several portions of the backend including the API and authentication resources.
- Orchestrated an event-driven architecture using step functions, SQS and SNS to asynchronously process messages.

EDUCATION

University at Albany, State University of New York, Albany, NY

- **Master of Science in Computer Science** - 2024
- **Bachelor of Science in Computer Science and Applied Mathematics, Informatics Minor** - 2022

Relevant Coursework: RESTful API Design, Machine Learning, Data Mining, Data Structures & Algorithms, Assembly Programming, Computer Multimedia (object detection/media analysis)