

ADRIAN BARROS

Software Engineer | Full Stack Developer

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Technically skilled software engineer with 3+ years of proven experience in the development and deployment of software solutions utilizing front-end, back-end, and full stack technologies. Demonstrated ability to use teamwork, leadership, flexibility, and creative problem-solving skills to develop, maintain, and scale robust and high-performance applications within agile, fast-paced environments.

PROFESSIONAL EXPERIENCE

Software Engineer | Boehringer Ingelheim | Remote January 2024 - July 2024

- Developed internal tools to facilitate and streamline many processes for around **300** researchers and scientists, saving approximately **48 hours** of duplicative work and reducing client facing delays
- Created rest API endpoints and middleware with **Django (Python)**, a **React (TypeScript)** frontend, and **PostgreSQL**
- Collaborated with 4 departments to implement innovative technologies such as an **AI chatbot** utilizing **WebSockets** aimed to simplify access to real-time data and new research documents increasing productivity by **~30%**
- Assured product quality and continuous integration within the team by increasing testing coverage for the project to **90%**

Software Engineer II | West Monroe | New York, NY December 2021 - June 2023

- Created customized software solutions and products by collaborating with stakeholders and customers to understand product requirements, solving problems, and guiding products through the software development lifecycle
- Met business objectives through the development and deployment of **10+** innovative and responsive web and mobile applications across several industries such as financial tech, management firms, and IoT industries.
- Built **scalable machine learning software** for store cameras to detect merchandise and display real-time data to clerks by implementing **Python** backend, **React (TypeScript)**, and utilizing **AWS** for database and cloud integration
- Ensured high availability, performance, and continuous improvement of products by implementing unit testing and end-to-end testing in **Jest** and **Playwright** with **80%** coverage
- Resolved software issues by executing code reviews, debugging, and troubleshooting for multiple mobile and web apps

Software Engineer | TracFlo | New York, NY July 2021 - October 2021

- Provided software expertise by consulting with cross-functional development teams on products throughout the SDLC
- Rebuilt 3 web applications and increased performance reducing average page load **200%** by writing production level code, debugging, and creating component driven web clients utilizing **React.js (TypeScript)**, **Redux**, and **Flask (Python)**
- Grew product usage **80%** by creating a dynamic mobile application product utilizing **React Native** for iOS and Android

Volunteer Software Engineer | UNICEF Develop for Good | New York, NY November 2020 - May 2021

- Achieved engagement with **100,000** users by creating an innovative mobile app in collaboration with development team
- Improved app frontend performance and user interface by building a **Django** server and **Postgres** backend database
- Ensured data integrity/backup by building custom APIs to manage data migration to **Firestore** and **Postgres** databases

SOFTWARE ENGINEERING PROJECTS

Eventurous | Full-Stack Developer May 2020

- Enhanced user experience and developed a full-stack web application for travelers by creating multiple backend features and implementing a **React** client side,
- Streamlined backend data collection by engineering a **Python Flask** server side with multiple endpoints to consolidate data from **3+ REST APIs** to facilitate contract signing, process payments, and display market analytics

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Python, Ruby, C++, SQL, MySQL, HTML, CSS/SASS, Java

Frameworks and Libraries: React, React.js, React Native, Next.js, Node.js, Ruby on Rails, Django, Flask, Jest, Playwright, Express.js, GraphQL, Redux, Socket IO, Matplotlib, Pandas, Spring boot

Tools and Technologies: REST APIs, Linux, GitHub, Git, Docker, Postman, IOS, Android, Figma, Jira

Database and Cloud: PostgreSQL, Firebase, AWS, Azure, Dell Boomi, NoSQL, Relational Databases, DynamoDB

Software Engineering: Algorithms, Distributed Systems, Object Oriented Programming (OOP), Continuous Integration (CI/CD), Unit Testing, Microservices, UI, UX, WebSockets

EDUCATION & PROFESSIONAL DEVELOPMENT

Bachelor of Arts in Computer Science | Hunter College, City University of New York (CUNY)

August 2020

Software Developer Certificate | CUNY Tech Prep

May 2020

Nike Software Engineering Mentorship Program | Nike

June 2021