

Bryan Hadro

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Senior Full-Stack Engineer

Full-Stack engineer with 17 years of web development experience, specializing in Python, Django, Node.js, React and Next.js. Passionate about building scalable applications from the ground up, understanding the entire tech stack, and continuously learning. Known for writing thorough documentation and proactively identifying and resolving technical challenges. Detail-oriented, solution-focused, and committed to delivering high-quality results on time.

Contact Information

LinkedIn Profile: <https://www.linkedin.com/in/bryan-hadro-2397578>

Github: <https://github.com/bboru21>

Personal Website: <http://www.bryanhadro.com>

Skills

Programming Languages: Python | Node.js | TypeScript | JavaScript | SCSS | CSS | HTML | PHP | ColdFusion

Frameworks: Django | Flask | SQLAlchemy | React | Next.js | Redux | React-Bootstrap | Bootstrap | Foundation

Databases: MySQL | PostgreSQL

Operations: Amazon Web Services | Google Cloud Platform | Render | Jenkins | CircleCI | Apache | Linux

Work Experience

Merchbar, San Francisco CA (Remote) | Full-Stack Engineer and Tech Lead | 08/2022 - Present

Collaborated with the CTO to identify and prioritize key initiatives, playing a central role in the development and maintenance of a robust Python, Flask, React, and Next.js platform.

- **UI/UX Improvements:** Improved user experience through the implementation of key features including scroll position restoration with Next.js, image hover transitions, loading skeletons, and a global currency selector. Redesigned search inputs and filters to create a more accessible, responsive, and visually engaging interface, increasing mobile engagement by 30%.
- **A/B Experiment Migration:** Successfully integrated a custom Python back-end and Next.js front-end experiment framework with Google Analytics, streamlining experiment execution and saving thousands in annual service costs.
- **Database Migration Process Standardization:** Led the codification of the PostgreSQL/Alembic migration process, establishing standardized workflows for setting up local databases, executing initial migrations, and deploying changes to production, ensuring consistency and reducing deployment errors.
- **Design Standards:** Proactively implemented site-wide Bootstrap, SCSS and CSS style guidelines for consistent margins, padding, font-sizes, and z-index values, and introduced linting git hooks to enforce coding standards, ensuring code quality and reducing style-related inconsistencies across the project.

U.S. News and World Report, Washington D.C. | Full-Stack Developer and Tech Lead | 03/2014 - 08/2022

Led the design and development of new site features using React and Next.js, while managing a Python/Django-based data management system. Collaborated with other teams to maintain and develop the global React component library.

- **CMS Browser Add-On Development:** Designed and developed a browser add-on integrated with Django MySQL database routing, enabling content editors to seamlessly preview staging CMS data while browsing the live production site, reducing overall content approval time by 25%.
- **Ranking Launches:** Led the execution of quarterly ranking launches for Best Cruises, Hotels and Places to Visit, managing complex data processing workflows using Python, Django and MySQL, documenting the process throughout, and ensuring seamless publication of results for smooth, on schedule launches.
- **Travel DMS:** Directed the successful development of the Python/Django-based Travel Data Management system, overseeing the seamless transition from the legacy platform to the new system while ensuring uninterrupted operations and enhanced functionality.
- **Component Development:** Partnered with the platform design team to develop and implement robust React and Next.js components, proactively identifying and resolving bugs, hydration issues, prop warnings, and unclear logic. These efforts improved efficiency and enhanced user experience.

ESPN, Bristol CT | Web Developer | 11/2010 - 03/2014

Member of the Video On Demand and Watch ESPN teams. Maintained and documented jQuery/JavaScript libraries powering the site-wide video player and provided timely issue resolution as part of the on-call rotation.

- **Video Platform Development and Integration:** Engineered and optimized JavaScript and jQuery libraries powering ESPN.com's on-demand video platform, ensuring seamless engagement and audience retention. Directed cross-functional efforts to implement the video player in flagship products, including the "SportsCenter Feed," and the "30 for 30" redesign, ensuring smooth functionality and alignment with product goals.
- **Editorial Tools Development:** Designed and implemented user-friendly editorial tools using Bootstrap, jQuery, and Tea (a Java-based language) to streamline staff workflows and saving staff several hours weekly.

Trinity Consulting, Manassas VA | Web Developer | 11/2007 - 11/2010

Specialized in designing and implementing custom web applications using MySQL, ColdFusion, PHP, JavaScript, CSS and HTML. Provided on-site hardware and software maintenance to ensure seamless client operations and system reliability.

Education

BA in Philosophy, Minor in History, Graduation Year 2004

Christendom College, Front Royal, Virginia

GPA: 3.25 (Cum Laude), Dean's List Spring 2002

Student Activities Council President

Projects

Bevendo.app | Github Repository: https://github.com/bboru21/bevendo_project_v3

Lone developer of a seasonal cocktail app and price-scraper with MySQL, Python and Django API and authentication, and React/Next.js front-end. Deployed on a Linux/Debian virtual machine, using Apache and PM2 web servers.

Finestra | Github Repository: <https://github.com/bboru21/finestra>

Sole architect of a video player built with Node.js/JavaScript, integrating cue-points generated by Python scripts and Assembly AI to stream movies with customizable filters for sensitive viewers.