

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, Next.js and JavaScript. Passionate about continuously learning new skills, writing thorough documentation, and building scalable applications.

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: AWS | Google Workspace | Render | Heroku | Jenkins | CircleCI | Docker | 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 in Next.js, JavaScript, and TypeScript, including: scroll position restoration, 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%.
- **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.
- **Image Optimization:** Implemented dynamic image transformations using AWS S3, Lambda, and CloudFront, optimizing site-wide image delivery and reducing monthly infrastructure costs by \$1,200.
- **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 Python Flask Alembic/PostgreSQL migration process, establishing standardized workflows for setting up local databases, executing initial migrations, and deploying changes to production, ensuring consistency and reducing deployment errors.
- **Bulk Contact Validation and Upload Scripts:** Automated processing of 5M user records by integrating ActiveCampaign API with Google Docs queues and Email List Verify, leveraging Python/Flask scripts, and Render API jobs for asynchronous validation and contact updates, ensuring campaign deadlines were met.

- **Test-Driven Payment Gateway Migration:** Led full integration of the NMI Payment Gateway for secure payment processing, implementing Test-Driven Development (TDD) for backend Python unit tests and developing a responsive frontend using Next.js.

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 Node.js/React/Next.js/JavaScript, while managing a Python/Django-based data management system. Collaborated with other Agile teams to maintain and develop the global React component library.

- **CMS Browser Add-On Development:** Designed and developed a browser add-on integrated with Python/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 Node.js, React, and Next.js JavaScript 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, JavaScript 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