

Tarun Patnayak

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Skills

- **General:**
 - **WordPress:** Custom theme development, plugin development, migrations, SEO implementation, WP-API, custom endpoint configurations.
 - **Shopify:** Liquid templating, theme development, Shopify theme customisations, app integration, e-commerce configuration
 - **NextJS:** Frontend development with WordPress Headless CMS, custom API integration, dynamic components, routes, SSR, Redux, performance optimization.
 - **ExpressJS & NodeJS:** RESTful API creation, MySQL/PostgreSQL integration, complex queries, secure API server deployment, JWT-based authentication, middleware setup.
 - **Python Developments with FastAPI:** REST API creation, response optimization, data validation, async functions, Docker containerization, machine learning model integration, API documentation.
 - **HTML, CSS, SCSS:** Front-end development, responsive design, Bootstrap
 - **JavaScript, jQuery, Babel:** Front-end interactivity and functionality
 - **PSD / XD to Live Website:** Converting design files to functional websites
 - **Extras:** Webpack, Vite, ReactJSX, JSON, php, WordPress php, Ajax, Gutenberg Blocks Development, Elementor Widget Development, etc.
- **Testing and Debugging:**
 - **Unit Testing and Debugging:** Proficient in writing and executing unit tests to ensure code quality and functionality.
 - **Cross-Browser Testing:** Conducted extensive cross-browser testing to ensure website compatibility across different browsers and devices.
 - **Performance Testing:** Implemented performance testing strategies to optimize website loading times and ensure smooth user experiences.
- **Server Setup:**
 - Complete server setup using LinuxOS (Ubuntu, AlmaLinux, CentOS) based on Apache, Nginx, and OpenLiteSpeed Web Servers.
 - Complete migration of websites from one server to another server.
 - cPanel Setup for shared hosting environment.
- **AWS:**
 - Lambda: Creating serverless functions
 - DynamoDB: NoSQL database management
 - API Gateway: Managing and deploying APIs
 - EventBridge: Configuring events to trigger the Lambda function
- **Deployment and Database Configuration:**
 - **WordPress Deployment:** Successfully deployed WordPress websites on Linux servers, ensuring stable and secure environments. X`
 - **Database Configuration:** Set up and managed MySQL and MariaDB databases, ensuring reliable data storage and retrieval.
- **Problem-solving and Debugging:**

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- Identifying and resolving issues in websites and applications
- Troubleshooting and optimizing website performance
- **Developer Coordination and Multi-tasking Abilities:**
 - Collaborating with designers for project implementation
 - Managing multiple tasks and projects simultaneously
- **Design Tools:**
 - Adobe Photoshop: Image editing and manipulation
 - Adobe Illustrator: Vector graphics design
 - Adobe InDesign: Document layout and design
 - Adobe PremierePro: Video Editing and enhancing
 - Adobe Audition: Audio enhancements and denoise.
 - Figma

Experience

Associate Software Developer - CMS

July 2022 to Current

OneRoof Technologies LLP

Mumbai, India

- **General:**
 - Developed fully functional websites for an established client base, incorporating customized designs and responsive layouts.
 - Conducted extensive research on User Interface (UI) and User Experience (UX) to align with clients' core requirements and enhance website usability.
 - Fostered close collaboration with clients, arranging meetings to discern design preferences and requirements, leading to successful website launches.
 - Diligently resolved website compatibility issues across various browsers, ensuring top-notch quality and cross-platform compatibility.
 - Implemented SEO best practices, resulting in improved website visibility and a notable increase in organic traffic.
 - Implemented and deployed projects on NextJS with WordPress as a headless CMS.
 - Monitored website performance using advanced analytics tools, enabling data-driven optimizations to enhance user experience.
 - Worked in tandem with designers to bring conceptual and design ideas to life for websites.
 - Significantly boosted website performance, achieving speed optimizations of 30% to 50% and enhancing Google's PageSpeed Insights scores.
 - Created AWS Function to work with Shopify using Shopify API Integration, along with AWS Lambda, Event Bridge, API Gateway and DynamoDB.
- **WordPress Development:**
 - Tailored WordPress themes and plugins to incorporate specific functionalities, customizing solutions to meet client needs.
 - Created bespoke WordPress themes fulfilling client's requirements.

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- Managed and maintained WordPress websites with regular updates to ensure optimal functionality and security.
- Successfully executed website migrations from various platforms to WordPress, ensuring seamless transitions.
- Successfully created Custom Endpoints with WP-API for more flexible outputs in frontend.
- Provided comprehensive WordPress training and ongoing support to clients, empowering them to manage their websites effectively.
- Collaborated closely with designers to translate concepts and designs into fully functional WordPress websites.
- Configured payment gateways, shipping methods, and product catalogues on WordPress' WooCommerce platform to create robust e-commerce solutions.
- Effectively addressed and resolved issues related to premade WordPress themes and plugins, collaborating with authors and support teams.
- Developed custom shortcode functions and filters, enhancing website functionality.
- Developed custom Gutenberg blocks with ECMA6, Babel and React JSX.
- Proficiently employed WordPress PHP to create custom functionalities and features, elevating websites beyond the capabilities of off-the-shelf plugins and themes. This included developing bespoke solutions for intricate client requirements, ensuring a unique and tailored online presence.
- Leveraged modern technologies such as Bootstrap, SCSS, and Babel for custom theme development.
- Seamlessly integrated ACF, ACF Pro, PODs Framework etc. into WordPress projects, empowering clients to have granular control over their website's content. Custom fields, flexible content layouts, and repeatable field groups were expertly implemented to enhance content management efficiency and flexibility.
- Created child themes to introduce custom features seamlessly into premade themes.
- Expertly handled API integrations and post-migration tasks using external APIs.
- **NextJS Developments:**
 - Worked on frontend for WordPress Headless CMS, ensuring seamless integration with the backend for optimal performance.
 - Integrated custom API Endpoints as well as API from WP-json to fetch and display dynamic content effectively.
 - Created dynamic functional components for multiple purposes, enhancing code efficiency and reusability.
 - Developed dynamic routes for proper navigation as well as user flows, improving user engagement and satisfaction.
 - Implemented Server-Side Rendering (SSR) to boost SEO and improve initial page load times.
 - Integrated Apollo Client with Next.js for efficient state management and data fetching from WordPress.
 - Developed complex GraphQL queries and mutations to interact with WordPress CMS for different Custom Post Types as well as custom fields.
 - Created fully responsive UI components that adapt seamlessly to various screen sizes and devices, ensuring a consistent user experience.

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- **ExpressJS & NodeJS Developments:**
 - Created RESTful API endpoints with ExpressJS, providing robust and scalable backend solutions.
 - Integrated MySQL and PostgreSQL databases for efficient data storage, retrieval, and manipulation.
 - Developed complex logic and optimized SQL queries for MySQL and PostgreSQL, enhancing application performance and data integrity.
 - Configured and deployed a secure API server on AlmaLinux, ensuring high availability and performance.
 - Implemented authentication and authorization mechanisms using JWT, ensuring protected routes and secure data access.
 - Set up middleware for logging, error handling, and request validation, improving the robustness and maintainability of the application.
- **Python Developments:**
 - Created REST APIs using Python's FastAPI, leveraging asynchronous capabilities to deliver high-performance endpoints.
 - Optimized API response times by 200%, significantly improving the application's efficiency and user experience.
 - Implemented data validation and serialization with Pydantic, ensuring data integrity and simplifying data handling processes.
 - Leveraged Python's asyncio library to develop asynchronous functions, improving efficiency and responsiveness.
 - Developed comprehensive API documentation using FastAPI's built-in tools, improving developer experience and ease of use.
- **Shopify Development:**
 - Leveraged Shopify's Liquid templating language to build fully customized themes that perfectly aligned with clients' brand aesthetics and functionality needs.
 - Partnered with designers to transform conceptual and design ideas into fully functional Shopify stores.
 - Enhanced premade Shopify themes by fixing existing functionalities and introducing additional customization features to various sections and theme settings.
 - Used Shopify CLI to streamline theme development locally.
 - Conducted research and successfully implemented Shopify apps and add-ons to fulfil specific functional requirements.
 - Collaborated with authors and support teams to effectively resolve issues related to premade Shopify themes and plugins.
 - Configured payment gateways, shipping methods, and product catalogues on Shopify, optimizing e-commerce functionality.

Freelance Children's Book Designer

Dec 2021 to June 2022

- Worked with another freelance children's book designer and delivered amazing layout.
- Worked with Adobe Creative suite for layouts as well as creating amazing typography in Adobe InDesign with help of Illustrator and Photoshop.

Freelance Projects

June 2020 to June 2022

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- **Personal Portfolio**
 - Created amazing animations using GSAP Library.
 - Implemented fluid typography using viewport width and height
 - Added cool page transition.
 - Made the website mobile friendly as well as responsive across all major devices.
- **Aaditya Nair**
 - Used amazing animation library called GSAP along with other useful libraries like swiper slider, isotope, light box gallery, etc.
 - Made the website mobile friendly as well as responsive across all major devices.
- **Sangeeta Shankar**
 - Designed & developed personal website of Dr. Sangeeta Shankar.
 - Experimented with Some cool animation.
 - Made the website fully responsive across devices.
- **RogueFlo**
 - Designed and developed website for RogueFlo™, A Spherical Industries Product.
 - Used Google's model-viewer to display 3d models of the product in a carousel.
 - Created cool page transition and smooth scroll and gsap animation.
- **Rundle Mountain Property Management**
 - A one-page website and landing page for Local multi-platform short-term vacation rental services in Canmore
- **Agile Innovators Foundation**
 - Implemented particles animation that switches colors based on section scrolled.
 - Used Divi theme and page builder and created child theme to implement the animations and stylings
- **Rajam School of Violin**
 - Used Elementor page builder to create whole website on WordPress
 - Made website responsive across major devices
- **Ragini Shankar**
 - Personal portfolio website of Indian Classical Violinist Ragini Shankar
- **Legendary Legacy Promotions Pvt. Ltd.**
 - Built on WordPress with Elementor Page Builder.

Freelance Portrait Arts

June 2016 to June 2022

- Made stunning realistic portraits with mediums like charcoal, graphite, willow on paper.
- Brought smile to over 40 clients with my skillset in portraiture.
- Completed over 10 freelance art project which included portrait painting on wall using acrylic paints

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Certifications

- **Front End Development Libraries** **Jul 2023**
freeCodeCamp
- **JavaScript Algorithms and Data Structures** **Jul 2023**
freeCodeCamp
- **Responsive Web Design** **Jan 2023**
freeCodeCamp

Education

- **HSC** **2016**
Adarsh Education Society
- **SSC** **2014**
Fr. Agnel Technical High School