

Nischal Abraham

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Full Stack Developer with over 5 years of experience building performant, scalable, and user-centric web applications. Proficient in Laravel, React and TypeScript, with expertise in designing intuitive UI/UX interfaces. Skilled in responsive design and test-driven development. Passionate about delivering solutions that solve complex technical challenges and improve user engagement.

Technical Skills

- *Languages & Frameworks:* React, Laravel, TypeScript, JavaScript (ES6+), HTML, CSS, MySQL
- *Tools:* Git, Cypress, Jest, REST APIs
- *Methodologies:* Agile, Version Control, Responsive Design, Test-Driven Development

Professional Experience

Postal Bible School, Cootehill, IE

Information and Communications Technology (ICT) Manager

August 2022 – December 2024

- Redesigned and migrated the primary website from WordPress to React, enhancing user experience and reducing page load by 60%, accessible at <https://www.postalbibleschool.ie/>
- Created a digital learning management system (LMS), utilizing React, PHP and Moodle to cater to 3000+ students, improving engagement and reducing turnaround time by 40%.
- Collaborated with Sunscool.org's remote team to integrate a mobile/tablet application with our student base, utilizing REST APIs for seamless access and supporting over 40 schools in Ireland.
- Managed cloud server deployment on Cloudways, utilizing GitHub Actions for automated CI/CD workflows, reducing errors by 15% and deployment time by 50%.
- Key Tools: **Laravel, PHP, React, Typescript, Cypress, Jest.**

Office Administration and Management (Volunteer)

Nov 2020 – Jul 2022

- Maintained the primary WordPress website.
- Created educational videos as additional resource and managed hosting solutions for them.
- Managed distribution of monthly lessons to over 3000 students for 30+ schools in Ireland.

Media.net (Perform Media), Mumbai, IN

Web Application Developer

July 2017 – August 2019

- Improved report access time for publishers by 32% by optimizing Excel and CSV file imports, implementing custom parsing algorithms, and utilizing advanced data processing techniques.
- Led the transition for CI system from Apache SVN to Git, organising training sessions and creating documentation that reduced collaborative errors by 25% and enhanced code version control efficiency.
- Enhanced Digital Marketing skills by improving Search Engine Optimization (SEO) capabilities and integrating Google AdWords analytics.
- Key Tools: **HTML, CSS, JS, Angular, ASP.NET MVC, Git**

Education

National University of Ireland, Maynooth, IE

MSc Computer Science (Software Engineering) GPA: 1st Class Honours

2019-2020

Don Bosco Institute of Technology, Mumbai, IN

BE Computer Science GPA: 7.24 of 10

2013-2017

Visa

Permitted to work full-time in the **United Kingdom** without sponsorship

Projects

Postal Bible School

Laravel, PHP, React, Cypress, Jest

Postal Bible School (PBS) is a charitable organisation that distributes correspondence lessons to students in Ireland both in schools and at home. I developed a comprehensive LMS platform for Postal Bible School using Laravel and React, managing backend data for 3000+ students and enabling seamless distribution of educational content across 40+ national schools.

- Website – Migrated from WordPress to React and Typescript frontend with Laravel (PHP) backend to create a custom Learning Management System.
- Data management – Transitioned the charity's student information management system, FileMaker Pro, from a local machine instance to a cloud-hosted environment, and automated data processing by leveraging its Data API for seamless application communication.
- Schools – Setup of our mobile/tablet application for over 30 national schools in Ireland that signup up for digital lessons.
- Testing – Integrated Cypress for E2E testing and Jest for unit testing.

Masters project at NUIM

Chrome Browser extensions, JavaScript (ES6), NodeJS, JMeter

Conducted a comprehensive research project on personalisation bias in search engines for my MSc dissertation. Developed a Chrome extension using JavaScript (ES6) and NodeJS, enabling data collection and bias analysis for internet content algorithms, which offered a novel tool to assist researchers in identifying patterns of algorithmic bias.