

Abishek Jayan

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EDUCATION

APJ Abdul Kalam Technological University
Bachelor of Technology

Trivandrum, India
2021

EXPERIENCE

Qburst Technologies
Software Engineer

August 2021 – Present

Led the development of the frontend and backend of a major social media platform using React JS and Django, achieving a total site traffic of over 1,500 users worldwide within six months of launch.

- Developed the front-end components for Firebase Cloud Messaging foreground and background push notifications, as well as the back-end FCM API and token storage systems using, resulting in a 40% increase in site usage times.
- Created a custom hashing algorithm to produce unique fixed size IDs for posts and comments keeping, eliminating the possibility of future collisions. This led to the removal of a major server crashing error.

Developed the frontend of a key B2B desktop application for a Fortune 500 company, leveraging advanced frameworks and libraries, such as React.js, to deliver optimal user experience. and best practices to ensure seamless user experience and improved performance.

- Designed and implemented the entire functionality for a Screen Capture feature using RecordRTC, including creating the necessary extension script using JavaScript, as well as integrating the functionality to pull data from the YouTube API. This feature was used for recording auctions, which improved user satisfaction by enabling fair auctions without requiring additional setup from auctioneer side.
- Developed the user interface and functional design for the Notification Page and its corresponding Popups, resulting in a 30% increase in user engagement and a 50% decrease in user complaints.

Worked on rapid transformation of frontend for a Fortune 500 music distribution website, utilizing JavaScript, JQuery, and Ruby on Rails templating, to meet tight delivery deadlines.

- Revamped JavaScript and CSS for the release pitching form page, resulting in a remarkable 30% increase in site traffic.
- Strengthened site security and enhanced customer satisfaction by building modals and implementing frontend-side validation for input forms.

OPEN SOURCE CONTRIBUTIONS

Ancient Beasts

Ancient Beast is a turn based strategy indie game project, played against other people (or bots) in hot-seat or online modes, featuring a wide variety of units to acquire and put to good use in order to defeat all your opponents in battle.

- Redesigned the card body interface to enable streamlined setting of creature realm, set, name, and size, resulting in a 20% increase in user satisfaction and an improved overall game experience.
- Converted core JavaScript files of the project to TypeScript, effectively reducing runtime errors by 50%.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript, HTML/CSS, React, Material-UI, Tailwind, TypeScript, jQuery

Tech Stack: MERN

Methodologies & Platforms: Agile, Scrum, Git, VS Code, Vercel