ADITYA P NAIR

Senior Full Stack Developer

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SUMMARY

Full Stack Developer (5 years experience) with expertise in React.js, Node.js, Next.js, and scalable API-driven architectures. Skilled in building performant web applications, containerized deployments, and cross-functional collaboration. Creator of Football Betting Simulator (FBS) application showcasing end-to-end product development from concept to implementation.

WORK EXPERIENCE

Senior Full Stack Developer – Voizzit, Dubai | Apr 2025 – Present

• Built and deployed the Mood of Kerala website using React TypeScript (Tailwind) and Next.js for server-side rendering and efficient file-based routing. Link: https://moodofkerala.indiafirst.com/en

• Integrated content APIs from a hosted CMS for real-time data delivery.

• Contributed to India Today projects with focus on scalable front-end systems. Link: https://uat.indiafirst.com/en

• Currently working with WhiteHat Jr, enhancing large-scale educational platforms and API-driven apps.

Front End Developer – IMTEK, University of Freiburg, Germany | Nov 2022 – Mar 2025

• Migrated legacy JavaScript codebase to React.js, improving maintainability by 40%.

• Designed and optimized landing pages with React.js + Tailwind CSS, reducing load times by 30%.

• Partnered with backend engineers to decouple systems using Django and React.js.

• Wrote 200+ Jest unit tests, reducing regression bugs by 25%.

Full Stack Developer – TATA Elxsi, India | Nov 2018 – Nov 2020

• Built scalable web apps with Node.js, Express.js, Docker, and AWS.

• Developed 15+ REST APIs handling 50M+ daily data points with <100ms latency.

• Designed interactive UIs with HTML5, Tailwind, and React.js.

• Implemented JWT authentication and CI/CD pipelines with GitLab + Docker.

PROJECTS

Football Betting Simulator (Solo Project, 2025)

• Developed a football betting simulator where users wager in-game currency (no real money).

• Enabled pre-match betting on Premier League fixtures with odds-based rewards and penalties.

• Integrated live league tables and form tables to assist users in making predictions.

• Built with React Native, Expo, and SQLite, optimized for offline-first performance.

• Designed architecture for future scalability with potential centralized database integration.

Thesis Project – Visualization of 2D Datamaps in Web Browser

- Used Node.js, Axios, JavaScript to collect data from NetCDF files onto a server.

- Utilized data visualization tools to represent the collected data as color maps on a web browser canvas.

- Visualised deep zoom on big images with the help of WebGL upto 10GB.

- Employed Webpack, Node.js, Docker, Kubernetes, Python and JavaScript to build the software.

- Designed an elegant user interface using HTML5, Tailwind CSS and JavaScript enabling seamless zooming, panning, and dynamic interaction with the data visualization.

EDUCATION

Master of Science, Embedded Systems (AI) – University of Freiburg, Germany | Apr 2021 – Mar 2024

Bachelor of Technology, Electronics and Communication – GEC Barton Hill, Kerala, India | May 2014 – May 2018

ADDITIONAL INFORMATION

Technical Skills: JavaScript/TypeScript, React.js/Redux, Node.js, Next.js, Kubernetes, PostgreSQL/SQL, Python, C++, Docker, REST APIs, AWS, HTML5, CSS3/Tailwind, Git, CI/CD, Unit/Integration Testing, Agile/Scrum

Languages: English, Hindi, Malayalam, German (B1)