

Mahendra Balal



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PROFILE

Results-driven Full-Stack Developer specializing in the MERN stack with hands-on experience in deploying 10+ applications. Skilled in API integrations, performance optimization, and Agile workflows to deliver scalable solutions and enhance user experiences.

PROFESSIONAL EXPERIENCE

Kariz | Intern | Remote | (09/2024-Present)

- Engineered and deployed an Integration Platform, leveraging Agile principles to automate 10+ API integrations.
- Optimized real-time data transformation using JSONata, implemented JSONSchemaValidator, boosting API reliability by 25%.
- Simplified 3rd-party API integrations, designing custom scripts and testing with Postman, reducing manual data entry by 30%.

Local Handicraft | Trainee at Ironhack | Porto | (07/2024 - 08/2024)

- Developed an e-commerce site integrating secure payment systems and designing intuitive UI/UX using React and Figma.
- Boosted performance of the artisan platform by implementing React.js virtual DOM and MongoDB query optimization, reducing page load times by 50%.
- Improved development workflows by automating GitHub Actions and API testing with Postman, ensuring 99.9% uptime.

Career Building | Trainee at Ironhack | Porto | (04/2024 - 06/2024)

- Built a job search site with advanced CRUD functionality using React Router, boosting user engagement significantly.
- Designed responsive user interfaces using HTML5, CSS3, and React, implementing A/B testing to enhance user satisfaction.
- Developed backend using Node.js, JSON Server, Morgan, leveraging caching strategies, improved API response times by 50%. Applied Git/GitHub for version control with branch protection rules, and improved team collaboration.

X Motor Bike | Trainee at Ironhack | Porto | (02/2024 - 04/2024)

- Engineered a bike racing game using HTML5, CSS3, and JavaScript, implementing dynamic obstacle generation and extra lives features to boost replayability.

EDUCATION

Full Stack Web Development | Ironhack | Porto | (02/2024-08/2024)

- Built interactive UIs with JavaScript, React, and Context API; established RESTful APIs with Node.js and Express.
- Handled NoSQL databases with MongoDB and Mongoose; utilized Git and GitHub for version control and CI/CD.
- Ensured code quality with Jest and Mocha; collaborate in Agile teams; deployed applications on Netlify and Heroku.

MSc in Finance | University of Bedfordshire | Luton, UK | (08/2011-02/2013)

- Business Data Analysis: Gained proficiency in analyzing and interpreting data, skills applicable to backend development
- Business Communication: Developed strong communication and collaboration skills essential for Agile development teams.
- Digital Business Management: Learned how to align technical solutions with business goals, ensuring scalable application.

CERTIFICATIONS & TRAINING

Front-End Development | CodeYourFuture | London, UK | (01/2021- 04/2023)

- HTML5, CSS3, JavaScript, React, Tailwind CSS, and version control with Git.

Responsive Web Design | FreeCodeCamp | Remote | (02/2019-07/2022)

- HTML, CSS, Flexbox, Grid, and media queries for adaptable layouts.

TECHNICAL SKILLS

Languages & Frameworks: HTML5, CSS3, JavaScript, React.js, TypeScript, Node.js, Express.js | Databases: MongoDB, Mongoose | Tools & Testing: Git, GitHub Actions, Postman, Jest, Mocha, Selenium | Deployment Platforms: Netlify, Fly.io, AWS, Heroku | Other Tools: Figma (UI/UX), JSONata, JIRA

SOFT SKILLS

Problem-Solving | Team Collaboration | Analytical Thinking | Communication | Adaptability | Time Management

LANGUAGES: English (Proficient) | Nepalese (Native) | Hindi (Conversational) | Portuguese (Beginner)

ADDITIONAL INFORMATION: Availability: Immediate | Work Authorization: Remote worldwide | Eligible to work in Portugal