



Job Title: Full Stack Developer - CV Cricket Software

Location: Hybrid

Job Type: Full-Time

Job Description:

We are seeking a skilled and experienced **Full Stack Developer** to join our dynamic team for the development of innovative CV Cricket Software. As a Full Stack Developer, you will be responsible for building, deploying, and maintaining a highly scalable, responsive, and AI-integrated cricket application. You will work closely with our product, AI/ML, and cloud teams to deliver an optimized experience for users, including real-time match analysis, player statistics, and live streaming.

Key Responsibilities:

- Design, develop, and maintain a dynamic and responsive front-end using React.js, HTML5, CSS3, and modern UI libraries like Bootstrap or Tailwind CSS.
- Develop scalable and efficient APIs and backend services using Node.js with Express.js and potentially Python with Django/Flask for AI-related modules.
- Integrate data communication between frontend and backend via GraphQL or REST APIs.
- Manage and optimize databases like **PostgreSQL/MySQL** for structured data and optionally MongoDB for handling unstructured data.
- Collaborate with the AI/ML team to integrate machine learning models built with TensorFlow or PyTorch for features such as pitch analysis and voice detection.
- Implement Natural Language Processing (NLP) for voice command recognition and AI-driven features.
- Deploy and manage the application using cloud platforms like AWS, Google Cloud Platform, or Microsoft Azure, ensuring scalability and security.
- Use AWS Lambda or similar services for serverless computing and real-time updates.
- Store and manage static assets (e.g., player images, match videos) using Amazon S3 or Google Cloud Storage.
- Set up continuous integration and deployment pipelines using Jenkins or GitLab CI to ensure smooth development workflows.
- Containerize applications with Docker and deploy them using Kubernetes for efficient cloud infrastructure management.
- Ensure code quality and functionality through unit testing (Jest, Mocha) and end-to-end testing with Selenium.
- Test and debug APIs using Postman to ensure robust backend service functionality.
- Implement and maintain real-time video streaming solutions using FFmpeg, WebRTC, and integrate with YouTube Live or Twitch.

- Automate infrastructure deployment with Terraform and monitor system performance using tools like Prometheus and Grafana.
- Utilize AWS CloudWatch or Azure Monitor for logging, monitoring, and alerting to ensure system availability and performance.

Required Skills & Qualifications:

- Bachelor's degree in computer science, Engineering, or a related field (or equivalent practical experience).
- 3+ years of experience as a Full Stack Developer or a similar role.
- Proficiency in JavaScript, React.js, Node.js, Express.js, and optionally Python.
- Experience with RESTful APIs or GraphQL.
- Strong knowledge of relational databases (PostgreSQL/MySQL) and familiarity with MongoDB.
- Familiarity with AI/ML frameworks like TensorFlow, PyTorch, and NLP libraries.
- Hands-on experience with AWS, Google Cloud, or Microsoft Azure for cloud-based deployments.
- Experience with Docker, Kubernetes, and CI/CD pipelines.
- Proficient with version control systems like Git and collaboration platforms such as GitHub, GitLab, or Bitbucket.
- Knowledge of video streaming technologies like FFmpeg, WebRTC, and streaming platform integrations (YouTube, Twitch).
- Strong understanding of web security, performance optimization, and application monitoring.

Nice-to-Have:

- Familiarity with serverless computing (e.g., AWS Lambda).
- Experience with infrastructure as code tools like Terraform.
- Understanding of cricket and its technical aspects (player stats, match analysis, etc.).
- Exposure to real-time applications and live data streaming.