Aashik

FULLSTACK DEVELOPER

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PROFESSIONAL SUMMARY

Full Stack Developer with **2+ years** of hands-on experience designing, developing, and deploying scalable web applications. Proficient in front-end technologies like React.js, Redux, TypeScript, and JavaScript, and back-end stacks such as Node.js, Express.js, PHP, Django, and NestJS. Adept at working in Agile environments, CI/CD pipelines, and managing both RESTful and WebSocket-based APIs. Strong experience with MongoDB, MySQL, and deployment on Linux-based servers using Docker, PM2, and NGINX.

PROFESSIONAL EXPERIENCE

FULLSTACK DEVELOPER
Riversilica Technologies Pvt Ltd
Bengaluru, Karnataka
May 2023 - Present

- Spearheaded the end-to-end design and development of scalable web applications, effectively managing both front-end and back-end operations using modern technologies.
- Led a team of 5 developers in Agile sprints, coordinating feature implementation, task delegation, and code reviews to ensure high-quality deliverables within tight timelines.
- Orchestrated the complete migration of a legacy application from Zend Framework to a modern stack—React (front-end) and Node.js with Express.js (back-end)—enhancing system performance and maintainability.
- Proficiently handled RPM-based deployment in Linux environments, ensuring seamless product releases across multiple server configurations.
- Played a key role in backend development using Python and Django—designed and optimized RESTful APIs, resulting in better data handling and reduced response times.
- Resolved over 200+ critical bugs and production issues, achieving a 30% reduction in crash rates and significantly improving application stability and user experience.
- Actively collaborated with cross-functional teams to gather requirements, plan sprints, and release features that led to a measurable increase in client satisfaction.
- Demonstrated strong problem-solving skills in handling urgent requirements and system outages, ensuring business continuity and timely issue resolution.

TECHNICAL SKILLS

- **Frontend :** HTML, CSS, Bootstrap, MUI, JavaScript, TypeScript, JQuery, React JS, Redux,
- **Backend :** Node JS, Express JS, Nest JS, PHP, Python, Django, Kafka
- **Database:** MongoDB, MySQL, Redis
- **Tools & Frameworks :** Git, Linux, Zend Framework, Postman, PM2, JWT, Bugtracker, NGINX, XenCenter, MTPutty
- **DevOps:** RPM-based deployment, CI/CD, Docker
- **Protocols :** UDP, SRT, HLS, RTMP, RTSP, TCP

EDUCATION

Bachelor of Computer Science
Hindusthan College of Arts and Science, Coimbatore
2019 - 2022

CERTIFICATIONS

FULLSTACK DEVELOPER
Besant technologies PVT Ltd, Bengaluru
Aug 2022 - Mar 2023

PROJECTS

Online License Application Portal

- Built using MUI, React JS, Node JS, Express JS, and MongoDB, with JWT tokens implemented for authentication and Redux for state management.
- The application runs on a Linux-based operating system, designed for efficient data encryption and decryption.
- Encryption and decryption methods, written in C and compiled into a shared library (.so file), were integrated into the Node.js application using the ffi-napi package.
- Supports three roles: Super Admin, Admin, and User, each with distinct role-based access controls and permissions.
- Includes comprehensive CRUD operations for managing licenses, which are generated as .lic files containing encrypted data based on product version, unique key, and parameters.
- Deployed on a Linux-based CentOS 8 system with PM2 for process management, ensuring high availability and efficient performance.

Web-Based HLS Video Player

- Built a web-based HLS video player using the Ply.io player resource for streaming media content.
- Implemented a quality selector feature that allows users to choose between different quality levels based on the loaded sources.
- Built a dynamic source-switching mechanism that accepts two HLS URLs from the user—a primary and a secondary source. This feature enables seamless switching between the sources:
  - The player initially loads the primary source and monitors its chunk files.
  - If the primary source becomes unavailable, the player automatically switches to the secondary source while continuing to monitor the primary source's status.
  - When the primary source becomes available again, the player seamlessly switches back to it.
- Created a multi-tiled player feature that enables users to configure the player in an nXn tiled format, allowing simultaneous playback of multiple streams. This was designed for monitoring multiple video feeds.
- The multi-tiled player was specifically Built for use by ISRO, supporting real-time monitoring and switching between multiple streams with high reliability and performance.

Migration Project: Legacy Application Modernization

- Led the migration of an existing product from Zend Framework to a modern technology stack, utilizing React for the front end and Node.js with Express.js & Nest.js for the back end.
- Re-architected the entire application to ensure a smooth transition, enhancing performance, scalability, and maintainability.
- Migrated legacy code to React, adopting a component-based architecture, implementing state management, and incorporating modern UI/UX practices.
- Rebuilt backend services using Node.js and Express.js, optimizing API design, data handling, and integration with the newly Built front-end components.
- Transitioned associated tools and dependencies to align with the new tech stack, streamlining workflows and significantly improving development efficiency.

Django-Based Web Apps with Product API Communication

- Built two web applications using Django and Python to enhance operational efficiency and streamline specific tasks.
  - **Scheduled L-Band and SCTE Triggering Web App**
    - Built a web app to schedule and manage L-Band and SCTE triggers via our product's API, ensuring precise and automated signal execution.
  - **Playlist Monitoring App**
    - Created a real-time playlist monitoring app, enabling dynamic updates and error detection through seamless integration with the product API.
- Both applications featured role-based access controls to ensure secure operations, and were deployed on a Linux-based environment for optimal performance and reliability.