Jude Ashin P

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Portfolio: portfolio/JudeAshin

Professional Summary

Proven expertise in API development, logic automation, and third-party system integrations, leading to a 30% boost in operational efficiency. Advanced in Express and adept at building scalable backend systems with MongoDB, MySQL, and Sequelize ORM. Proficient in deploying containerized applications using Docker and managing CI/CD pipelines with Kubernetes. Experienced with AWS services like EC2, S3, and CloudFront. Skilled in Angular, delivering engaging, user-centric interfaces that enhance client satisfaction and optimize processes.

Work Experience

Inox Arabian Technical Services LLC, Dubai

Senior Backend Developer – Media & Comms (January 2025 – August 2025)

- Led backend development and code management for Unity integration, enabling seamless coordination with client applications.
- Engineered a high-throughput video delivery system handling over 150 simultaneous streams with zero latency.
- Designed and implemented robust WebSocket servers to support real-time video calls and chat, integrating API and socket communication for optimal responsiveness.
- Reduced AWS costs by 80% through CloudFront caching and consolidated multiple servers (video call, API, ICE, backup) into a single efficient deployment, significantly lowering infrastructure expenses.
- Developed an ad-based revenue backend system that attracted sponsors and monetized platform traffic.
- Ensured high availability and rapid bug resolution, maintaining smooth live operations and scalable backend architecture.

Key Achievements:
- Achieved flawless real-time video streaming and chat with zero latency for over 150 concurrent sessions.
- Reduced cloud service expenses by 80% via strategic use of CloudFront and server consolidation.
- Established a monetization framework through ads, driving new revenue streams and sponsorships.
- Maintained robust backend stability under live production loads with proactive debugging and optimization.

Ardens Business Solutions Private Limited, Chennai

Backend Developer – ERP & HRMS (July 2023 – December 2024)

- Developed scalable RESTful APIs using Node.js (NestJS, Express), cutting server response times by 30% and supporting high-volume transactions
- Integrated third-party systems like IndiaMART and e-invoicing to streamline data flows and ensure compliance.
- Optimized MySQL queries and implemented MongoDB solutions to boost data retrieval performance by 20% across modules.
- Automated complex workflows including shift-based attendance, overtime, and payroll processing for over 1,500 employees.
- Deployed CI/CD pipelines using Docker, Jenkins, and Kubernetes, reducing deployment times by 40% and enhancing reliability.

Key Achievements:
- Boosted operational efficiency by 35% across ERP modules including lead, inventory, and service.
- Centralized real-time attendance tracking across biometric, mobile, and web channels, increasing reporting efficiency by 35%.
- Secured long-term client retention through tailored solutions for inventory and service modules. Built backend systems prepared for scale with minimal performance impact.

Projects

ERP System Development
- Developed a robust ERP system leveraging Angular and Node.js (NestJS), integrating advanced data analytics. Achieved a 35% reduction in operational bottlenecks and streamlined reporting for high-volume data.

HRMS (Human Resource Management System)
- Engineered a scalable HRMS platform supporting extensive employee data processing. Implemented code optimization practices that improved system maintainability by 20%.

Media & Communication Platform
- Architected a high-performance backend supporting real-time video streaming, chat, and ad management integrated with Unity clients. Achieved zero-latency video delivery for 150+ concurrent users and reduced cloud infrastructure costs by 80% using CloudFront and server consolidation.

Technical Skills

- Expertise in API design, integration, and performance tuning using Node.js (NestJS, Express).
- Advanced skills in database modeling, MySQL indexing, and MongoDB optimization strategies.
- Proficient in Docker, Kubernetes, and Jenkins for CI/CD pipeline automation and server scaling.
- Skilled in real-time data processing and analytics for chat, video, and communication platforms.
- Strong knowledge of JWT-based auth, ensuring secure, scalable, and compliant backend systems.
- Competent in optimizing AWS infrastructure with EC2, S3, and CloudFront for cost-efficient backend delivery.

Education

Bachelor of Engineering (B.E) – Computer Science Engineering

Loyola Institute of Technology & Science, Tamil Nadu | May 2023
CGPA: 8.20

Higher Secondary (HSC)

Holy Angels Matriculation Higher Secondary School, Tamil Nadu | May 2019
Percentage: 70%

Soft Skills

- Collaborated with cross-functional teams to deliver high-priority projects on time, streamlining operations by 30%.
- Integrated new tools and technologies into workflows, enhancing team efficiency by 20%.
- Improved code and database performance by identifying and resolving bottlenecks, reducing system downtime by 15%.
- Clearly communicated technical solutions to stakeholders, ensuring alignment with business objectives and timely approvals.
- Resolved complex technical challenges, delivering innovative solutions that increased system scalability by 25%.

Declaration
The above details are accurate and true to the best of knowledge.

Place: Dubai - UAE

Signature: Jude Ashin P