Aadarsh velu

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in Linkedin/Aadarshvelu

Work Experience

❖ **IT Analyst – Full-Stack Engineer, Intellectyx** .... **May 2024 – Present**

- Worked as Team Lead in developing a robust Learning Management System (LMS) with key features, including SCORM integration and seamless synchronization using Azure Entra ID.
- Implemented a real-time notification system leveraging Socket.io for enhanced user engagement and instant updates.
- Engineered a scalable multi-region LMS architecture supporting regions like the UK, USA, and Europe, ensuring efficient data replication and consistency across regions.
- Successfully migrated the cron job scheduling system from APScheduler to a Celery-based architecture with Redis-Cache, improving task execution reliability and performance.

Skillset: Next.js, Typescript, GoLang (Chi), Python, PostgreSQL, Django, Redis, gRPC, Azure

❖ **Senior Full-Stack Engineer, SM Technology** .... **Feb 2022 – May 2024**

- Created optimal standard packages containing business modules that can be plugged into new projects seamlessly, eliminating drastic development work and decreasing new project timelines, which helped to acquire new partners.
- Developed a Control center for the support team and created a new design system for the company.
- Reduced Back-end processing load by ~40%, which decreased the overall API latency by ~50%.
- Served as a data engineer for clients such as HTeaO and Faber, building Optimized ETL pipeline using airflow and implementing data visualization in Power BI.

Skillset: Next.js, GoLang (Chi), Python, PostgreSQL, MySQL, Django, Airflow, PowerBI, gRPC, AWS

❖ **Junior Software Engineer, Orbital** .... **Jun 2020 – Feb 2022**

- Developed a UI to show a detailed report for stakeholders to look into the current activities and business summary.
- Worked on the company's own design system by wrapping up the Antd component library to normalize UI across all projects.

Skillset: React.js, GoLang, Typescript, Node.js (AWS Serverless), MongoDB, PostgreSQL, AWS

Projects

❖ **Aveey ↗** An AI-powered, fully automated interview suite designed to conduct seamless, human-free interviews.

Skillset: React.js, three.js, GoLang (Chi), Apache Kafka, PostgreSQL, Langchain, Tensorflow, AWS

❖ **DSAvisually ↗** A collaborative and fun way to learn Data structures and algorithms.

Skillset: React.js, CSS (Grid) , Netlify

Certification and Education

❖ **AWS Solution Architect – Associate** .... **Feb 2023**

❖ **Vels Institute of science and technology – Chennai, TN** .... **Aug 2020 – May 2023**
B.Sc Computer science with specialization in cyber security