

Pratim Sarangi

Principal Software Engineer

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Professional Summary

Results-driven Principal Software Engineer with 10+ years of experience designing, developing, and modernising scalable backend systems and distributed architectures. Proficient in Node.js, NestJS, Next.js, TypeScript, Ruby, Python, and PHP, with deep expertise in PostgreSQL, MySQL, and MongoDB. Skilled in Kubernetes, Docker, AWS, GCP, CI/CD automation, and microservices architecture. Currently leading teams of 7–10 engineers to re-platform large-scale legacy systems, drive AI adoption, and deliver measurable performance and infrastructure improvements in high-traffic ed-tech environments.

Work Experience

Greater Than Education Technologies (Narayana Group) | Bengaluru, Karnataka, India | 04/2025 – Present

Part of the Narayana Group, one of India's leading education conglomerates, delivering technology-driven learning solutions at scale.

Principal Software Engineer *Full-time*

- Modernised deployment infrastructure for 100+ legacy websites by migrating from ad-hoc FileZilla-based deployments to a standardised Git-based PR review workflow on Kubernetes, eliminating oversized VMs and enabling efficient autoscaling.
- Guided both the engineering and DevOps teams to Dockerize all 100+ legacy PHP applications, forming the foundation for the Kubernetes migration and establishing containerisation best practices across the organisation.
- Led a team of 7 to re-platform the most critical legacy websites onto NestJS, Next.js, and PostgreSQL within a microservices architecture, improving maintainability, developer velocity, and system resilience.
- Led a team of 5 to deliver scalability, performance optimisation, and observability improvements across primary student-facing applications with 10K+ DAU, resulting in 2x–3x throughput gains.
- Championed AI adoption across engineering teams — introducing AI-assisted tooling and workflows that measurably improved team productivity and code quality.
- Played a key role in migrating the entire infrastructure from AWS to GCP — spanning 100+ services and applications — with zero downtime and no disruption to live users.
- Hired and onboarded key engineering talent, scaling the team to support an ambitious platform modernisation roadmap.

AntWalk | Bengaluru, Karnataka, India | 10/2019 – 03/2025

AntWalk is the ultimate role readiness platform designed to empower businesses and professionals alike.

Principal Software Engineer *Full-time*

- Joined as one of the first engineers; designed and developed the backend architecture from the ground up, scaling infrastructure to support a growing user base while optimising costs.
- Led and mentored the backend engineering team, fostering a culture of ownership and continuous improvement.
- Designed and developed AntWalk LMS (LXP) — the company's flagship product — end-to-end.
- Managed AWS cloud infrastructure, CI/CD pipelines, and DevOps practices across all environments.
- Built a custom data and analytics framework to surface actionable insights for business stakeholders.
- Worked closely with business and product teams to gather requirements and translate them into scalable technical solutions.

Think & Learn Pvt. Ltd. (BYJU'S) | Bengaluru, Karnataka, India | 12/2015 – 09/2019

BYJU'S – The Learning App, India's leading ed-tech platform serving students from classes 1–12 and competitive exam aspirants.

Software Developer *Full-time*

- Contributed to backend REST APIs serving 1M+ daily active users on BYJU'S core learning platform.
- Built a scalable content management system (CMS) for managing premium educational content across diverse categories.
- Contributed to the lead-capture system infrastructure, directly impacting business growth and user acquisition.

- Helped design and develop core learning features including an interactive quiz engine, course management system, and personalised learner journey tracking.

ImsoffIndia (now EDZLearn Services Pvt. Ltd.) | Bengaluru, Karnataka, India | 10/2014 – 11/2015

Provides innovative solutions for the education ecosystem leveraging digital and online methodologies, focused on open-source LMS-based services.

Software Trainee *Full-time*

- Engineered custom Moodle themes and plugins for multiple enterprise LMS platforms using PHP, JavaScript, and modern web technologies.
- Developed RESTful APIs extending Moodle's core functionality to support custom mobile applications.
- Architected third-party service integrations via REST APIs and webhooks, enhancing platform capabilities.
- Led performance optimisation initiatives, improving codebase efficiency and security through systematic refactoring.
- Established Git version control best practices and Linux environment workflows; mentored team members in adoption.
- Implemented staged deployment processes, enhancing release reliability and reducing deployment risk.

Technical Skills

Languages & Frameworks	Node.js, NestJS, Express.js, JavaScript, TypeScript, Ruby on Rails, PHP, Python, React.js, jQuery, HTML, CSS
Databases	PostgreSQL, MySQL, MongoDB
Infrastructure & DevOps	AWS, Google Cloud Platform (GCP), Kubernetes (K8S), Docker, CI/CD, Linux, Git, Microservices
Other	GraphQL, Moodle, AI, IoT, Arduino

Education

Bachelor of Engineering – Computer Engineering

Adhiyamaan College of Engineering, Hosur GPA: 7.9 07/2011 – 04/2014

Diploma in Computer Science and Engineering

Adhiyamaan Polytechnic College, Hosur GPA: 7.9 04/2007 – 04/2010