

Piyush Paradkar

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AWS-Certified Software Engineer with expertise in **Serverless Architectures (Lambda, Node.js)** and Microservices. **LeetCode Knight (Top 2.5%)** with 1200+ DSA problems solved. Currently scaling high-performance GraphQL APIs at TCS, reducing infrastructure overhead by 40% and API latency by 30%.

EDUCATION

Lakshmi Narain College of Technology

Bachelor of Technology in Computer Science; CGPA: 9.09/10

Bhopal, India

2019 – 2023

TECHNICAL SKILLS

Languages: Java, C++, JavaScript (ES6+), SQL, HTML/CSS

Backend & Cloud: Node.js, Express, **AWS Lambda**, AWS AppSync (GraphQL), DynamoDB, Google Gemini AI

Frontend: React.js, React Native, Redux, Tailwind CSS, Chakra UI

Tools & Concepts: Git/GitHub, CI/CD (Harness), Docker, Redis, Microservices, Data Structures & Algorithms

EXPERIENCE

System Engineer (Full Stack Developer)

Jun 2023 – Present

Tata Consultancy Services

Indore, India

- Architected and deployed scalable **Serverless Microservices** using **AWS Lambda** and **Node.js**, reducing infrastructure overhead and cutting environment setup time by **40%** through CloudFormation automation.
- Engineered high-performance **GraphQL APIs** with AWS AppSync, optimizing resolver logic to decrease average API latency by **30%** and improve query efficiency by **25%**.
- Designed **DynamoDB** single-table schema patterns for high-throughput data, achieving 99.9% availability and optimizing Read/Write Capacity Units (RCU/WCU).
- Collaborated with cross-functional teams to integrate UI/UX with backend services, enforcing CI/CD pipelines using Harness for zero-downtime deployments.

Software Engineer Intern

Nov 2021 – Feb 2022

Shortcast

Remote

- Spearheaded migration of legacy Expo codebase to **React Native CLI**, achieving a **58% reduction** in app bundle size and significantly faster load times.
- Developed a modular UI library for an audio-social platform (10K+ users), cutting future feature development time by 40% through component reusability.
- Implemented secure JWT authentication and optimized background audio playback services for Android/iOS.

PROJECTS

Text to Learn | React, Node.js, Google Gemini AI, MongoDB | [Live Demo](#) | [GitHub](#)

- Architected an AI-powered learning platform that transforms prompts into structured courses using **Google Gemini API**.
- Integrated **YouTube Data API** to automate video curation and implemented **Auth0** for secure, role-based authentication.
- Built a feature-rich React frontend with **Chakra UI** allowing users to export lessons as PDFs (jsPDF) and access multilingual content.

ChatHub | React, Node.js, Redis, Docker, MongoDB | [GitHub](#)

- Engineered a distributed real-time chat application supporting horizontal scaling using **Docker** and API Gateway.
- Solved WebSocket scaling constraints by implementing a **Redis Pub/Sub** adapter for state synchronization across instances.
- Secured REST endpoints via JWT and implemented message persistence using MongoDB.

ACHIEVEMENTS & CERTIFICATIONS

LeetCode Knight Badge: Top 2.5% globally with a Max Rating of 1990+. Solved 1200+ DSA problems.

CodeChef 3 Star: Max Rating 1679. Ranked 26/3009 in April Long Challenge (Div 3).

AWS Certified: AWS Cloud Practitioner (Aug 2025)

Microsoft Certified: Azure Fundamentals AZ-900 (Sep 2023)

Hackathon: Ranked Top 100 in Virtusa Neural Hackathon; built a Parking Lot System using MERN stack.