

# CHIRANJIB JHA

Kolkata, India

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## Professional Summary

Results-driven Backend Developer with 2+ years of hands-on experience in Node.js, TypeScript, and AWS. Proven ability to design scalable RESTful APIs, implement cloud-based solutions, and deliver performance-optimized systems in Agile environments. Adept at leveraging CI/CD practices, microservices architecture, and cloud-native tools for reliable, maintainable development.

## Technical Skills

<b>Languages:</b> JavaScript, TypeScript, PHP	<b>Security:</b> JWT Authentication, OAuth 2.0
<b>Frameworks:</b> Node.js, Express.js, Laravel, Serverless Framework	<b>Architecture:</b> REST APIs, Microservices
<b>Cloud/DevOps:</b> AWS (Lambda, EC2, S3, SQS, API Gateway), GitHub Actions, CI/CD	<b>Databases:</b> PostgreSQL, MySQL, MongoDB
	<b>Tools:</b> Git, Postman, FFmpeg, WebSockets

## Experience

### Associate Software Developer – Vyrazu Labs

April 2023 – Present

Kolkata, India

- Engineered scalable, secure APIs using Node.js, TypeScript, and Express for high-volume applications.
- Integrated AWS services (Lambda, EC2, S3, SQS) to build resilient, cloud-native infrastructure.
- Designed and deployed CI/CD pipelines using GitHub Actions, reducing release overhead by 50%.
- Enhanced API performance by 30% through query optimization, caching, and load balancing techniques.
- Created serverless workflows using AWS Lambda to automate event-driven data pipelines.
- Utilized Amazon SQS for asynchronous processing and service decoupling to boost scalability.
- Collaborated within Agile teams, participated in sprint planning, and executed unit/integration tests.

## Projects

### ServiceConnect

Node.js, TypeScript, PostgreSQL, AWS S3, SQS, WebSockets

- Developed a role-based service platform supporting user/provider flows secured by JWT authentication.
- Integrated AWS S3 for scalable media handling and SQS for decoupled background job processing.
- Implemented WebSocket-powered chat and real-time order tracking, reducing latency by 40%.

### AutoBidder

Node.js, Serverless, AWS Lambda, API Gateway, S3, FFmpeg

- Built a live bidding platform with video streaming, chunked uploads, and real-time updates.
- Used FFmpeg for live video transcoding and thumbnail generation on the fly.
- Leveraged Lambda functions to manage auction logic, bidding lifecycle, and user notifications.

## Achievements

Solved 300+ algorithm problems on LeetCode, CodeChef, and HackerRank, strengthening data structures knowledge.

## Education

### Bachelor of Technology – MAKAUT (Academy of Technology)

2018 – 2022

CGPA: 8.35

West Bengal, India

### Higher Secondary (12th) – RKVM Barrackpore

2016 – 2018

Percentage: 74%

### Secondary (10th) – RKVM Barrackpore

2015 – 2016

Percentage: 80%

## Hobbies & Interests

Photography, Gaming