AYUSH TIWARI

Software Engineer

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SUMMARY

I am a Software Engineer with substantial experience in backend development and project ownership in educational and payment platforms. I thrive on using my programming skills to innovate and implement solutions that enhance user engagement and operational efficiency. My experience spans robust integrations, large-scale data management, and strategic technical decision-making, all while mentoring those around me.

EXPERIENCE

Software Engineer

ConveGenius   📅 02/2023 - Present   📍 Noida, Uttar Pradesh

A company focused on providing educational solutions.

- Developed version 1.0 of the Management Information System (MIS) for efficient management of teachers, schools, and students.
- Implemented features including CRUD operations, bulk uploads (handling up to 500,000 records), and differential modules synced with the UDISE+ portal.
- Introduced robust access management to support multiple admin levels.
- Led the backend project, coordinated with a team of three developers, and deployed the system across five states, benefiting 60,000 schools and thousands of administrators.
- Designed and developed the backend for Swift Class, an educational content platform catering to over 2 million students in Uttarakhand.
- Integrated offline desktop application functionality with seamless user history syncing upon internet availability.
- Created and maintained educational bots using Node.js, enhancing engagement and improving learning outcomes on the platform.
- Migrated 12.7 million data entries across systems, ensuring data consistency and accuracy.
- Developed an automated daily data refresh process using Node.js, streamlining updates and reducing manual intervention.
- Built the String Dashboard, a tool for simplified bot string management.
- Developed the Dump Server to streamline internal content and registry uploads for the operations team.
- Participated in daily strategic discussions to refine system architectures and workflows.
- Conducted detailed code reviews, ensuring adherence to production-grade quality standards across multiple projects.

Software Engineer Intern

Juspay Technologies   📅 06/2022 - 10/2022   📍 Bengaluru, Karnataka

A payment solutions company.

- Integrated multiple payment gateways, including JioPay, Paytm, and Snapmint, into Juspay's payment processing platform, expanding the range of payment options available to users.
- Ensured seamless compatibility and optimized payment gateway performance for a platform handling over 25 million transactions daily.
- Gained hands-on experience in functional programming using Haskell, contributing to the development of robust and maintainable systems within the payment infrastructure.
- Implemented functional programming paradigms to enhance code reliability and reduce potential bugs in critical systems.
- Collaborated with senior engineers to troubleshoot complex issues in payment gateway integrations, ensuring smooth and secure transactions.
- Optimized system workflows to reduce transaction failures and enhance overall reliability of the payment ecosystem.

EDUCATION

Bachelor of Technology in Computer Science & Engineering

Madan Mohan Malaviya University Of Technology

📅 07/2019 - 05/2023   📍 Gorakhpur, Uttar Pradesh

SKILLS

C++   JavaScript   TypeScript   SQL   DynamoDB   Node.js   Angular   Docker   Git   Amazon Web Services   Google Cloud Platform   MySQL   PostgreSQL   MSSQL   AWS Redshift   Redis

KEY ACHIEVEMENTS

Coding Achievements

Codeforces: Max rating of **1640**, **Expert.**
Codechef: Max rating of **2170**, **5 star.**
Amritapuri Regionalist 2020: Honourable mention, Rank - 349.
Kanpur-Mathura Regionalist 2020: Online contest, Rank- 32.

Data Migration

Migrated 12.7 million data entries with zero inconsistencies.

Educational Solution Deployment

Deployed MIS system across 5 states, impacting 60,000 schools.

Payment Gateway Integration

Integrated payment gateways for 25 million daily transactions.

PROJECTS

Block-Kart

📅 01/2023 - 01/1970

A project focused on merging blockchain technology with eCommerce, enhancing product authenticity and ownership tracking.

- Blockchain-based eCommerce with separate Admin Panel having warranty system using NFTs.
- Allowed brands and retailers to introduce an NFT for each of their products, which lets customers receive the physical product along with a digital version of it.
- Provided customers the ability to use the digital NFT to verify the authenticity of their product, prove their ownership, and transfer ownership upon resale.

INTERESTS

Competitive Programming Advocacy

Engaging in competitive programming and fostering coding skills among peers.