

# Khushi Srivastava

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## SUMMARY

Backend Developer with 2+ years' experience building scalable APIs and cloud solutions using Node.js, TypeScript, Express.js, and AWS. Skilled in RESTful APIs, cloud migration, and secure backend systems.

## EDUCATION

**Dr. Ram Manohar Lohia Avadh University, Ayodhya**

2020-22

Master of Computer Application(MCA)

Percentage: 75%

## TECHNICAL SKILLS

**Languages:** Javascript, Python

**Tools/Frameworks:** Nodejs, Typescript, VScode, Git, Github, ExpressJS, DBeaver, Postman, Bitbucket

**Cloud:** AWS S3, AWS Aurora, AWS API Gateway, AWS Lambda, AWS Cognito

**Databases:** MongoDB, Redis, MySQL, PostgreSQL

**Others:** RESTful API, OAuth, JWT

## EXPERIENCE

**e-Mag Solutions**

Jan 2023 - Feb 2025

**Software Developer**

- Led end-to-end AWS cloud migration using S3, Lambda, and Aurora DB, transforming legacy systems into an automated data pipeline that processes over 100K medical records. Achieved 50% efficiency improvement by integrating NodeJS, Python, ExpressJS, Postman, and OAuth for secure and scalable backend operations.
- Architected enterprise-grade RESTful API infrastructure using AWS API Gateway and Cognito authentication, delivering a secure microservices platform supporting more than 1,000 concurrent healthcare professionals
- Spearheaded comprehensive data modeling strategy and ETL automation, resulting in 60% operational cost reduction while maintaining strict data integrity and HIPAA compliance standards
- Implemented robust security measures throughout the architecture, ensuring end-to-end encryption, role-based access control, and continuous compliance monitoring for sensitive healthcare data
- Managed migration of infrastructure and codebase to AWS cloud, minimizing downtime. Implemented REST API with AWS API Gateway, triggering AWS Lambda for data retrieval from Aurora RDS. Optimized data operations' performance and scalability in AWS environment.
- Architected and implemented end-to-end testing strategy encompassing unit, integration, and penetration testing, achieving 95% code coverage and establishing automated quality gates for secure deployment pipeline
- Developed comprehensive test documentation and quality assurance protocols, including detailed test cases, execution reports, and performance benchmarks.

## PERSONAL PROJECTS

**E-Commerce Shopping Cart**

[Link]

Developed and deployed a secure e-commerce platform, integrating user authentication, product catalog management, interactive shopping cart, and automated order processing, improving transaction efficiency by 30% and securing sensitive data for over 10,000 active users through advanced encryption protocols.

- Tech Stack:** Javascript, NodeJS, MongoDB, AWS S3.

**Comprehensive Author and Book Management System**

[Link]

Designed and deployed a scalable RESTful API using TypeScript, Node.js, Express, and MongoDB, enabling full CRUD operations for authors and books; improved data integrity and security with TypeScript interfaces and Mongoose schemas, reducing data errors by 40% and accelerating integration by 30%.

- Tech Stack:** TypeScript, NodeJS, ExpressJS, MongoDB, Mongoose, REST API, JavaScript, MVC Architecture

**Open to Intern Project**

[Link]

Developed the backend for a college internship platform, creating APIs for managing colleges and interns. Integrated AWS S3 for secure and efficient storage and retrieval of college logos, ensuring seamless access to visual assets. Optimized performance and scalability while maintaining a user-centric approach for media handling.

- Tech Stack:** Javascript, NodeJS, MongoDB, AWS S3

## KEY COURSES TAKEN

**FunctionUp**

July 2022 - Dec 2022

**Backend Developer Trainee**

- Trained in backend development with hands-on experience building scalable applications using Node.js, Express.js, Typescript, and MongoDB; skilled in version control, collaboration, and code management using Git and GitHub
- Proficient in integrating AWS S3 for secure storage solutions, and experienced with Redis and caching strategies to enhance application speed, scalability, and performance.
- Experienced in designing and implementing RESTful APIs with secure authentication (JWT, OAuth), tailored for diverse use cases including user management, data processing, and third-party integrations.