

# Sachin Chourasiya

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## PROFESSIONAL SUMMARY

Experienced Backend Developer with a proven track record in developing and deploying secure, scalable web applications. Demonstrated expertise in Node.js, Next.js, MongoDB, and integrating third-party services such as Stripe and AWS. Notable achievements include reducing transaction flow times by 20%, improving billing accuracy by 40%, and enhancing user engagement by 35%. Adept at designing RESTful APIs, ensuring data security, and optimising database performance. Career goal: to leverage technical skills in a challenging environment to drive innovative solutions and improve system efficiencies.

## EDUCATION

**Bachelor of Engineering** (Computer Science) 2016 - 2020  
Sam College Of Engineering And Technology, Bhopal Grade: 7.43/10.0

## EXPERIENCE

**Backend Developer** October 2024 - Present  
Incaendo Technologies pvt ltd *Noida, UP*  
**Smash Media Web Application (UK-Based)**

**Tech Stack:** Next.js, Node.js, MongoDB, Stripe (Third-Party Service)  
SMASH Media is a UK-based platform that empowers creators and connects them with entertainment industry decision-makers. It enables users to create, protect, and present professional film and TV pitch decks, helping bridge the gap between creators and discoverers.

Key Contributions and Achievements:

- Integrated a comprehensive Stripe-based payment gateway into the existing backend, supporting one-time payments, subscriptions, and invoice management — enabling monetisation for over 100 active users during the demo phase.
- Developed and deployed **15+ secure RESTful APIs** for handling payments, subscriptions, and marketplace interactions, resulting in **20% faster transaction flows**.
- Implemented real-time webhook processing for payment events, reducing subscription-related issues by 40%, and improving billing accuracy.
- Designed and launched a project snapshot feature, allowing users to manage versioned content presentations, increasing user engagement with pitch decks by **35%**.
- Ensured PCI-compliant, secure handling of sensitive user and payment data.
- Contributed to overall system improvements, helping decrease API response times by **15%** in payment-related endpoints.

**Backend Developer** February 2024 - July 2024  
Incaendo Technologies pvt ltd *Noida, UP*  
**Hey Food Is Ready Web Application (UK-Based)**

**Tech Stack:** Next.js, Hapi.js, MongoDB, AWS (SES, S3), HubSpot, Postcoder  
Hey Food Is Ready is a UK-based platform that connects independent cooks with catering opportunities for events, promoting cultural diversity by helping cooks share their culinary traditions. It serves as a community-driven space for showcasing food talent, and securing gigs.

Key Contributions and Achievements:

- Designed and implemented the entire backend from scratch, including database schema design, and development of 20+ RESTful APIs to manage cooks, events, bookings, and user interactions.
- Integrated third-party services, including HubSpot for CRM and lead management. **AWS S3** for secure image and document storage. **AWS SES** for transactional and marketing email notifications, achieving **99% email delivery success**. **Postcoder** for address validation and geolocation services.
- Developed a secure user authentication and role-based authorisation system to support both cooks and event organisers.
- Ensured data integrity and security using MongoDB with optimised indexing and validation, improving database query performance by 30%.
- Built scalable backend architecture to support **thousands of potential concurrent users** in future production rollout.

## Backend Developer

Incaendo Technologies pvt ltd

February 2023 - January 2024

Noida, UP

**ADMOTT Web Application (India) Tech Stack:** Node.js (Hapi.js), MongoDB, AWS (S3, SES), Next.js, Machine Learning (Python Integration)

ADMOTT is a smart video advertising platform that uses machine learning to analyse video content and identify optimal ad placement opportunities. The system automatically detects suitable timestamps and empty frame spaces in large video files, enabling targeted and non-intrusive ad integration based on genre and context.

Key Contributions and Achievements:

**Developed the backend system from scratch**, including schema design, API development, user-role management, and system architecture planning.

- Created **20+ RESTful APIs** to manage user data, video uploads, ad metadata, and processing workflows.
- Integrated **third-party services: AWS S3** for secure storage and retrieval of large video files. **AWS SES** for automated email alerts, achieving **98% delivery success rate** for video status updates.
- Collaborated on the machine learning pipeline to parse large video files, and analyse content structure. Detect empty or low-content frame areas suitable for ad overlays. Tag timestamps by **genre, category, and scene dynamics**, ensuring context-aware ad placement.
- Implemented a logic layer to define 'actionable moments' in identified spaces, e.g. Insert static banner, overlay short video ad, or display call-to-action.
- Ensured data privacy and optimised MongoDB performance with proper indexing and validation, improving query efficiency by 25%.
- Delivered an end-to-end flow to handle user roles (e.g., administrator, editor, and viewer). Creators and advertisers, with secure access control.

## Backend developer

Incaendo Technology pvt ltd, Noida

November 2022 - October 2024

Noida

**QA-Automation Web Application (Internal)**

**Tech Stack:** Node.js, Next.js, MongoDB, AWS (Lambda, EC2, S3, IAM), Python, Flask, Playwright, Allure

Contributed to the backend development of a QA automation platform that streamlines end-to-end testing workflows for web applications. The platform allows users to create projects, auto-generate and execute test scenarios, and access dynamic test reports, drastically cutting down manual testing efforts and accelerating release cycles.

Key Contributions and Achievements:

- Developed and deployed **25+ RESTful APIs** for managing users, test scenarios, executions, and reporting, increasing API efficiency and response time by **30%**.
- Integrated **OpenAI** to dynamically generate test cases and corresponding **Playwright** code, reducing test creation time by **50%**.
- Built a **Flask-based API** hosted on **AWS EC2**, which orchestrated the test execution lifecycle.
- Authored a custom shell script that automatically installs Playwright on the server. Executes test suites. Converts results into **Allure reports**. Uploads reports to AWS S3, generating a static site link for instant access, reducing manual report sharing time by 80%.
- Automated cleanup tasks by **deleting temporary files** and **stopping EC2 instances**, reducing cloud resource costs by **35%**.
- Deployed the OpenAI test generation module as an **AWS Lambda function**, enabling on-demand execution with **99.9% uptime** and no cold-start issues.
- Enabled parallel test executions and asynchronous report generation, which **cut test run times by 40%** during CI workflows.
- Ensured secure and scalable deployment using **AWS IAM roles, S3 bucket policies**, and structured logging for audit trails.

## Product Development Engineer 1

Phenom People Pvt Ltd Hyderabad

January 2022 - October 2022

Hyderabad

**Hotel Reservation System – Udacity Project**

**Tech Stack:** Java, Data Structures, Object-Oriented Programming

As a Product Development Engineer 1, I participated in an immersive, hands-on learning experience through Udacity, applying core software development principles in a real-world context. I developed a fully functional hotel reservation system, gaining end-to-end exposure to full-stack development, system design, and project management.

Key Contributions and Achievements:

- Designed and implemented the back-end logic using Java, applying object-oriented design principles for scalability and maintainability.

- Developed features for **user registration, hotel search, booking management**, and reservation tracking.
- Utilised Java Servlets and JSP to create dynamic web pages, and handle HTTP requests/responses.
- Implemented robust error handling and input validation to ensure a smooth user experience.
- Followed software engineering best practices, including modular design, code reusability, and clean architecture.
- Gained practical experience in **version control (Git)**, agile methodologies, and collaborative project workflows.

### Full Stack Web Development Bootcamp

July 2021 - January 2022

Newton School

Noida

**Focus Areas:** Full Stack Development, Data Structures Algorithms (DSA), Problem Solving.

Completed an intensive full-stack development bootcamp with a strong focus on mastering data structures and algorithms, alongside hands-on web development. Gained practical experience by building real-world projects, and participating in regular coding challenges.

Key highlights include expertise in project management, proficiency in data analysis, and strong leadership skills.

- Acquired in-depth knowledge of **full stack development**, including **Node.js, React.js, HTML, CSS, JavaScript, and Bootstrap**.
- Sharpened **problem-solving skills** through daily DSA practice and participation in **competitive coding contests**, improving algorithmic thinking and coding speed.
- Built multiple full-stack applications as part of the curriculum, applying clean code practices and modular architecture.
- Strengthened backend and frontend integration skills, REST API development, and deployment strategies.
- Engaged in peer learning and project reviews, enhancing collaboration and debugging abilities.

### SKILLS

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**Computer Languages:** TypeScript, JavaScript

**Software Packages:** Mongo DB, Express JS, NodeJS

**Additional Courses:** Data Structure

**Others:** AWS

### EXTRA-CURRICULAR ACTIVITIES

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Achieved **Employee of the Month** award twice at Incaendo Technology Pvt. Ltd., Noida, recognizing outstanding performance and contributions to team success.