

# Aayush Aman

📍 Bangalore, KA    ✉ Email    📞 7319728264  
🌐 LinkedIn    🐙 Github

Backend Developer with over 3 years of experience in designing, developing, and optimizing scalable systems. Skilled in leading and collaborating with teams of 25+ members. Expertise in Python frameworks (Django, FastAPI), cloud infrastructure, message brokers (Kafka, RabbitMQ), and databases. Experienced in both microservice and monolithic architectures, with a proven track record of backend optimizations and supporting high-traffic systems efficiently.

## Professional Experience

### Software Engineer

August 2021 – Present

**Folksmedia India Pvt. Ltd.**, Bengaluru, India

- Designed AWS API Gateway services, reducing server load by 30% and improving response times by 40%.
- Built microservices with Django Rest Framework and FastAPI, enabling seamless data handling for high-traffic apps.
- Automated CI/CD pipelines with GitHub Actions, cutting deployment times by 50% and minimizing manual efforts.
- Implemented message queues using Kafka and RabbitMQ, improving inter-service communication speed by 25%.
- Enforced coding standards, resulting in 20% faster development cycles and improved code maintainability.
- Implemented Kafka and RabbitMQ for message queues, enhancing inter-service communication speed by 25
- Enforced coding standards and automated testing, achieving 20% faster development cycles and improved maintainability.
- Integrated Pusher and Twilio for real-time notifications, improving incident response times by 35%.
- Managed AWS infrastructure (SES, RDS, DynamoDB, DocumentDB) with 99.9% uptime
- Deployed video streaming services using FastAPI, S3, reducing load times by 40% and offloading 50% of storage.
- Utilized ASGI servers to handle concurrent requests, boosting responsiveness during peak traffic.

### Backend Developer

August 2021 – January 2023

**Adcuratio Media Inc.**, Bengaluru, India

- Designed a recommendation system with Neo4j, increasing user engagement by 30%.
- Developed microservices achieving 99.9% uptime and reducing response times by 40%.
- Collaborated with teams to integrate services, improving development efficiency by 25%.
- Established best practices for microservices, enhancing code maintainability by 20%.

## Projects

### CVC Timesheet App [🔗](#)

January 2023 – December 2023

Developed an end-to-end high-performance PWA timesheet application using FastAPI, AWS, and MySQL. Successfully transitioned a legacy paper-based system for a U.S. company to an online platform, significantly reducing operational costs and improving efficiency. Key features included:

- Geolocation and Facial Recognition for secure time tracking.
- ETL processes for data management and analytics.
- Task Scheduling to enhance employee productivity and streamline workflows.

Collaborated closely with clients, managing tight sprints. Ensured smooth onboarding and day-to-day task facilitation for users.

### Folksmedia Web App [🔗](#)

January 2023 – September 2023

Contributed to the development of a high-performance OTT aggregator platform using Django, FastAPI, and both relational and non-relational databases. Designed to engage direct consumers seeking entertainment, the application featured a scalable architecture for dynamic user interfaces and robust state management.

- Worked effectively with cross-functional teams, facilitating both inter- and intra-team collaboration.
- Integrated APIs for seamless user interaction, optimizing performance for high traffic volumes.

## Publication

### Identification of Offensive Content in Memes [🔗](#)

*Data Science and Security*, Springer, 2021

## Skills

- **Languages:** Python, SQL
- **Frameworks:** Django, FastApi, Flask
- **Databases:** MySQL, PostgreSQL, MongoDB, DocumentDB, DynamoDB
- **Cloud:** AWS, Docker, Kubernetes

## Education

**B.Tech in Computer Science** — Netaji Subash Institute of Technology, Patna

2021 GPA: 7.84/10.0