

Mohammad Talib Uddin

Software Engineer

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Professional Summary

Software Engineer specializing in backend development using **Java (Spring Boot)** and **Python (Django REST Framework)**. Experienced in designing and developing scalable RESTful APIs, database schema design, and modular software architectures. Collaborated with DevOps teams to deploy and manage applications on **AWS** and **Hostinger VPS**, ensuring high availability and performance. Skilled in integrating APIs with frontend applications, optimizing database performance, and contributing to the complete software development lifecycle—from planning and development to deployment and monitoring.

Work Experience

Affy Cloud IT Solutions

March 2024 – Present

Software Engineer (Intern → Full-Time)

Bhopal, India

- Developed and maintained backend systems using **Java (Spring Boot)** and **Python (Django REST Framework)** for multiple client and in-house products.
- Designed scalable **microservices** and integrated **50+ RESTful APIs**, ensuring reliability, versioning, and backward compatibility.
- Implemented secure authentication and authorization with **JWT and RBAC**, and optimized **database schemas** for MySQL, PostgreSQL, and MongoDB, reducing query latency by 35%.
- Collaborated with DevOps to configure **cloud infrastructure (AWS, Hostinger VPS)**, set up CI/CD pipelines, and monitor system performance using **Spring Boot Actuator**.
- Worked closely with frontend teams for API integration, and participated in software architecture planning for modularity and scalability.
- Mentored junior developers on backend design patterns, clean coding practices, and debugging strategies.

Orange Antelopes

Sep 2023 – Feb 2024

Software Engineer Intern

Bhopal, India

- Developed backend systems using **Java Spring Boot**, building scalable RESTful APIs and integrating them with frontend applications.
- Implemented core backend concepts including **database schema design**, query optimization, and secure authentication mechanisms.
- Collaborated with frontend teams to ensure seamless API integration and smooth data flow.
- Gained hands-on experience with **cloud deployment**, server configuration, and supporting CI/CD pipelines for production environments.

Projects

TUTORIO | web.tutorio.in

- Engineered a multi-tenant **Learning Management System (LMS)** enabling schools, universities, and coaching centers to manage their own digital learning ecosystems.
- Developed backend using **Spring Boot Microservices** and **MySQL**, with modular design, scalability, and secure multi-tenant data isolation.
- Integrated comprehensive **course management features** including live and recorded classes, test series, eBooks, offline batches, and doubt-solving modules.
- Implemented **role-based access control (RBAC)** with JWT authentication, ensuring secure access for Admins, Teachers, and Students.
- Optimized **database schema and Redis caching layer**, reducing query response time by up to **40%** and improving platform performance.
- Built an **e-commerce-enabled learning platform** allowing students to purchase courses, eBooks, and test series, while also offering free learning content.
- Collaborated with frontend and DevOps teams to deploy on **AWS**, setting up CI/CD pipelines and ensuring 99.9% uptime and efficient request handling under high traffic.

WhatARecruiter — Smart Recruitment Management System

- Developed an AI-powered **Recruitment Management System** streamlining the end-to-end hiring process for enterprises and HR teams.
- Backend architecture built with **Spring Boot Microservices**, integrated with a dedicated **FastAPI-based AI service** for intelligent resume parsing and candidate matching.

- Implemented **AI-driven resume parsing** to extract and structure candidate data, recommending the most suitable candidates for openings.
- Designed dynamic job requisition and approval workflows, enabling admins, recruiters, and hiring managers to create, review, and publish openings seamlessly.
- Implemented secure **RBAC with JWT** and optimized MySQL queries with **Redis caching**, improving response times by 35% under high load.
- Deployed on **Hostinger VPS** with microservice orchestration, ensuring high availability, fault tolerance, and secure data handling.
- Collaborated with AI and DevOps teams to maintain continuous integration workflows and enhance candidate-fit prediction performance.

E-Commerce Platform Suite | tarhaab.com, mehersambalpurihub.com, morganicfarm.com

- Architected and developed backend systems for multiple e-commerce platforms across fashion and organic products industries, enabling online stores and mobile app integrations.
- Engineered a modular and reusable backend framework using **Spring Boot Microservices** supporting product browsing, cart management, order tracking, and secure payments.
- Implemented **guest checkout functionality**, integrated **Razorpay** for seamless online payments, and automated shipment tracking via **Shippo API and webhooks**.
- Optimized backend performance with caching, indexing, and connection pooling, achieving up to **40% faster response times** under load.
- Deployed on **Hostinger VPS**, ensuring high availability and monitoring, and built analytics dashboards for real-time sales and performance insights.

Dclean — Laundry Management System | dclean.me

- Developed a comprehensive **Laundry Management System** using **Django REST Framework** with separate panels for Admin, Customer, and Delivery Agents.
- Implemented end-to-end laundry operations including order management, pickups/deliveries, payments, discount handling, and invoice generation.
- Built a **mobile-friendly Delivery App API** and a centralized Admin Dashboard for tracking orders, managing staff, and monitoring operational analytics.
- Optimized **database queries** and schema design, improving data retrieval speed by up to 30% under peak load.
- Deployed on **Nginx + Gunicorn**, ensuring high availability, scalability, and smooth API performance.

Technical Skills

Languages: Java, Python, SQL
Frameworks: Spring Boot, Django REST Framework, FastAPI, Hibernate, Microservices Architecture
Databases: MySQL, PostgreSQL, MongoDB, Redis
DevOps / Cloud: AWS (EC2, S3), Hostinger VPS, Docker, CI/CD Pipelines, Nginx, Apache Tomcat
Tools: Git, Postman, Swagger, IntelliJ IDEA, VS Code, pgAdmin
Operating Systems: Linux (Ubuntu, Mint), Windows
Core Concepts: RESTful API Design, JWT, RBAC, System Design, Agile / Scrum

Education

Bachelor of Technology in Computer Science	August 2021 – May 2025
<i>SAM College of Engineering and Technology</i>	<i>Bhopal Madhya Pradesh</i>

Certifications and Achievements

Java Programming: Foundations and Core Principles	Jan 2024
<i>Certificate of Achievement</i>	
Java Programming: Mastering the Fundamentals	Sep 2024
<i>Certificate of Excellence</i>	
Blockchain Development: Building Robust Solutions	Mar 2024
<i>Certificate of Completion</i>	