

SHASHANK PANDEY

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ABOUT

Software Developer specializing in backend systems and API-driven platforms. Designed and operated production services involving authentication, payments, and role-based access control for 50k+ registered users. Handled real-world abuse incidents and reliability challenges using Cloudflare protections and automated validation workflows with zero-downtime CI/CD on Linux systems.

EDUCATION

B.Tech in Computer Science and Engineering, Lovely Professional University 2023 – 2027 (Expected)
CGPA: 7.46

Core Focus Areas: Backend Systems, API Design, Databases, Operating Systems, Computer Networks

SKILLS

Programming Languages	Python, C/C++, Java (academic), PHP
Backend	Flask, FastAPI, Node.js, Express.js – REST APIs, authentication, RBAC
Frontend	React, Redux, Svelte, HTML, CSS
Databases	MongoDB, PostgreSQL, MySQL
Testing & DevOps	API testing with Postman and Python, Docker

EXPERIENCE

Backend Developer – Client Systems (Freelance) 2025 - Ongoing
FoundDev Studio

- Built backend services using Python (Flask, FastAPI) and Node.js for three paid, live business systems involving authentication and payments.
- Implemented RBAC, dashboards, and payment workflows integrated with React frontends using Redux Toolkit.
- Validated authentication, RBAC, and abuse-sensitive routes using automated API tests integrated into CI pipelines.

AWS Cloud Captain Feb 2025 – Present
AWS Cloud Club at Lovely Professional University

- Conducted 4+ technical workshops impacting 1k+ students on backend systems, cloud fundamentals, and deployment workflows.
- Built and demonstrated hands-on projects and repositories to teach real-world application deployment and architecture.

PROJECTS

Campus Operational Platform (awsldpu.in)

- Designed and operated a production platform with authentication, RBAC, and payment processing for student-facing workflows.
- Integrated Cashfree for secure transactions with automated receipt handling and operational reliability during peak usage.

Automation & Access Control System (cyni.quprdigital.tk)

- Architected distributed backend services with async jobs, session-based access, and optimizations supporting 50k+ registered users.