

Saurav Kumar

Software Engineer I / Backend & Payments Systems

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PROFESSIONAL SUMMARY

Meticulous Software Engineer delivering **secure, scalable solutions** for financial platforms. Proficient in **programming, logic design**, and adhering to strict **Quality Control** standards. Skilled in **production incident management, information security**, and collaborating within **matrix-based teams**. Self-motivated professional committed to translating **technical requirements** into high-quality software under strict timelines.

PERFORMANCE METRICS

- Delivered **secure, scalable solutions** resulting in a **25% reduction** in production defects via OOPS best practices.
- Optimized system performance by improving API response times by **30%** through logic redesign and SQL tuning.
- Maintained **99.9% uptime** by effectively managing production incidents and resolving issues within SLA.
- Consistently delivered **15+ features** per sprint, strictly adhering to quality assurance and documentation standards.

PROFESSIONAL EXPERIENCE

- Software Development Apprentice** Gurugram, Haryana
IHS Markit Pvt. Ltd. (S&P Global) – Financial Platforms July 2025 – Present
 - Developed and maintained enterprise backend applications by translating business and **technical requirements** into scalable, production-ready software solutions.
 - Designed and delivered **secure RESTful APIs** using **C# and .NET Core**, adhering to **information security** standards for data confidentiality and integrity.
 - Applied strong **programming skills** and core software engineering principles (OOPS, DSA) to support high-reliability payment and financial workflows.
 - Executed feasibility analysis, **logic design**, and input-output flow evaluation while actively participating in **Quality Control** through code reviews and testing.
 - Collaborated within matrix-based, distributed teams, demonstrating strong **communication, organizational skills**, and self-motivation while managing production incidents within SLA.

SELECTED PROJECTS

- CareerZenith – AI Resume Builder** Jan 2025 - July 2025
React, FastAPI, Python, NLP
 - Built a scalable full-stack application, conducting feasibility analysis to integrate T5-based NLP models.
 - Implemented optimized algorithms (DSA) for resume parsing, enhancing processing speed by 40%.
 - Designed modular backend architecture to support high-volume user requests.
 - Performed comprehensive unit testing and validation to ensure high-quality software delivery.
- Secure Token Wallet – Payment Solution** Oct 2024 – Dec 2024
ICP Motoko, Web3.js, React
 - Developed a **secure payment solution** supporting token transfers, ensuring integrity of transaction data.
 - Implemented OTP-based verification and recovery logic to align with security policies and practices.
 - Ensured **confidentiality** of user assets using advanced encryption and secure coding standards.
 - Achieved **99.9% uptime** via fault-tolerant design, supporting secure and simple transactions.
- Distributed Log Analyzer** Jun 2024 – Aug 2024
Python, Kafka, Elasticsearch
 - Engineered a system handling **300+ events/sec**, supporting analysis of complex input-output flows.
 - Designed anomaly detection to reduce operational downtime and support incident management.
 - Generated automated system reports to assist in software metrics collection.

TECHNICAL SKILLS

Core Competencies: OOPS, Data Structures & Algorithms (DSA), SDLC, System Design, Logic Design

Languages: C#, C++, Python, JavaScript, SQL

Frameworks & Tools: .NET Core, React.js, Node.js, REST APIs, Git, Jira, Postman, Docker

Databases: SQL Server, MySQL

Engineering Practices: Information Security, Technical Requirements Analysis, Quality Control, Software Documentation, Production Support

Professional Traits: Strong Communication, Organizational Skills, Self-Motivation, High Energy, Meticulous

ACHIEVEMENTS

- ICPSG Codefest 2024 — **3rd Place** for designing a Green Tech solution demonstrating initiative and execution excellence.
- Selected as **Team Lead** for an international, geographically distributed Agile development team.

EDUCATION

- B.Tech – Computer Science and Engineering** CGPA: 8.04 / 10
Lovely Professional University Aug 2021 – Aug 2025