

# Ashish Kaushal

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Software Engineer with **2+ years of experience in backend development**, test automation, and system design, specializing in **C#, Java, Python, SQL**, and scalable solutions.

## Experience

**Software Engineer, Qualcomm** – Hyderabad, India

July 2022 – November 2024

- Built robust, scalable workflows to monitor and process thousands of device crashes with **minimal API calls**, significantly **improving crash diagnostics and backend efficiency**.
- Integrated support for **5+ new device types and OS versions**, expanding automation coverage and ensuring zero downtime during **CI/CD** runs
- Enhanced log management system for resilience under low disk and cloud outage conditions, maintaining **99.9% data availability**
- Developed and optimized high-performance Thrift APIs to handle large-scale internal service communication.
- Delivered 30+ production-grade features and resolved over 150+ customer tickets, directly improving **platform stability and user satisfaction**
- Collaborated on internal LLM-assisted debugging and log-summarization prototypes, gaining hands-on exposure to AI-driven tools and evaluation workflows.

Tech Stack: **C#, Java, Python, SQL**, Perl, Git, Azure, Docker, **CI/CD** Tools, **LLM-based** Coding Tools

**Associate Software Engineer, Qualcomm** – Hyderabad, India

July 2022 – November 2024

- Designed and developed features in Axiom Launcher, **Used by 10K+ users**, reducing manual test setup effort by 40%
- Collaborated with senior engineers to improve test coverage and streamline regression analysis across multiple devices
- Built early monitoring systems to detect device crashes and minimize false alarms during test cycles
- Wrote test scripts (Python/Perl) for **12+ internal frameworks**, boosting automation reliability of **CI/CD pipelines**

Tech Stack: **C#, Java, Python, SQL**, Perl, Git

**Data Analyst Intern, Mobikwik**

March 2022 – June 2022

- Developed and optimized multiple SQL queries to detect fraud in **Mobikwik's BNPL ("Zip")**, reducing false-positive rates by **18%**
- Improved **query performance**, enabling near real-time fraud analytics.

Tech Stack: **SQL**, Excel, MySQL, tableau

**Machine Learning Intern, DRDO**

May 2021 – August 2021

- Applied ML to analyze Lightweight Cipher “Present,” **improving pattern recognition** by 6%. Reduced manual cryptanalysis time.

Tech Stack: **Python**, Cryptography

**Full stack web developer Intern, Techshala Pvt Ltd**

January 2021 – March 2021

- Built core features for a B2B e-commerce platform. Designed Elasticsearch-based search from scratch, **improving lookup speed**.
- Delivered tested and scalable backend endpoints supporting production traffic

Tech Stack: **JavaScript**, Node.js, Express.js, MySQL, Elasticsearch, Bootstrap, Pug.js

## Education

**Indian Institute of Information Technology Bhopal**

August 2018 – July 2022

*Bachelor of Technology, Computer Science Engineering - CGPA: 8.7*

## Skills Summary

**Languages:** Java, Python, C#, SQL, HTML, CSS, C, Javascript, NodeJS, PugJS, AJAX

**Technologies:** .NET, Spring Boot, Redis, Microservices, REST API Development, Azure, Firebase, ElasticSearch, NoSQL, Relational Databases, Android App Development, Hadoop Ecosystem basics

**Tools:** Git, JIRA, Postman, Qualcomm Tools (QDC, QUTS, QFIL)

**Concepts:** Data Structures, OOP, System Design, Relational Databases, Scalable Architecture