

# Niteesh Kumar Dubey

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## SUMMARY

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Detail-oriented and organized Software Engineer with 3 years of professional experience and a strong passion for creating efficient, scalable, and innovative software solutions. Proven track record in delivering impactful projects, including backend systems, dynamic mobile applications, and cloud-integrated solutions. Skilled in developing robust applications using modern technologies and frameworks, collaborating with cross-functional teams, and driving projects to success. Enthusiastic team player committed to delivering high-quality, impactful solutions.

## PROFESSIONAL EXPERIENCE

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**CDD Software (Outsourced to BioData Solutions)** | Delhi, IN Mar '23 - Jan '25

*Software Engineer*

- **Engineered and enhanced** backend components, creating a scalable document and **PDF analysis tool** to automate report generation and improve efficiency by 10%
- Improved the **backend** for an **audit application** by validating analysis data against FDA criteria, increasing scalability by 20% and reducing loading times
- Developed and maintained 70% of the core **QPCR package code** using **R Language**, ensuring robustness and accuracy
- Upgraded **rendering** performance for a **resource-intensive web application**, improving performance by 30% and eliminating crashes
- Utilized cloud services like **AWS and CloudFormation** to architect and deploy backend solutions, ensuring reliability and scalability
- Unified the **security measures** to safeguard user data and optimized **backend services** for enhanced reliability and minimal downtime

**KIASH Infotech Private Limited** | Lucknow, IN

Mar '22 - Feb '23

*Mobile Application Developer (Flutter)*

- Created and implemented scalable and responsive mobile applications using **Flutter and Firebase**
- Boosted application usability by integrating **third-party services**, resulting in a 30% increase in user engagement
- Executed **Agora for video calling** and **Google Maps** for location services to enhance functionality
- Revamped user interface designs to address scalability issues, resulting in a **10% increase in user engagement** through code optimization
- Enforced authentication systems, including OAuth, to ensure secure user management with a focus on **reducing unauthorized access attempts**
- Streamlined transaction processes by optimizing **payment gateway integrations via Razorpay**, which involved coding, testing, and implementation
- Designed and deployed **real-time communication** features, including video and **voice calls**
- Collaborated with **cross-functional teams** to ensure seamless project delivery within deadlines

## EDUCATION

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Relevant coursework: Algorithms, Data Structures, Web Development

INTERNSHIPS

Aditya Birla Group |

Jun '19 - Jul '19

Backend Engineer

Project assigned is "Overview of Server"

PROJECTS

Biodata Solutions |

Mar '23 - Jan '25

QPCR Software for analysis

Implemented **data validation** for qPCR software using **Python and R**, ensuring **FDA compliance**. Developed **Ct value calculations, regression analysis, and data validation** with **Pandas and NumPy**. Optimized **linear regression models** for accuracy in quantification and reporting. Designed and implemented **interactive features, additional validations, and performance improvements**. Built the **frontend for qPCR analysis**, including **linear regression visualization, caching initial changes, and customizable report generation with dynamic graphs**.

Kiash Infotech Private Limited |

May '22 - Dec '22

BigBuddy

Developed **Big Buddy**, a business management and customer engagement app for SMBs. **Implemented VOIP calling with Agora, Golang, and GCP Cloud**. Built **UI from scratch using Flutter** and a **serverless backend with Firebase**. Led development, completing **90% of the app**, including **service listings, payments, and marketing features**. Integrated **payment gateway and logistics services using I Think Logistics** for seamless operations.

KEY SKILLS

**Programming:** Dart, Typescript, JavaScript, Python, Java, Kotlin, Golang (Go/Go Language), HTML, CSS, Algorithms, Data Structures, Documentation, Coding Standards, Software Development, Computer Science, Computer Engineering, Structured Query Language (SQL), NoSQL

**Frameworks:** Web Development, Web Technologies, Software Products, Flutter Framework, Mobile Application Development, Code Review, Design Development, Full Stack Development, System, Pandas, Numpy, Matplotlib, Performance, Application Design, Custom Software, System Design, Angular, Angular JS, Bootstrap, Django, Django Rest Framework, Gin Web Framework, Software Development, APIs, Rest APIs, GraphQL

**Databases:** Mysql, Mongodb, Postgress

**Cloud Technologies:** Google Cloud Platform (GCP), Amazon Web Services (AWS), EC2, S3, AWS Cognito, AWS API Gateway, AWS Cloudformation, AWS Step function, Google Analytics, Microservices Development, Test Automation, Architecting

**DevOps:** Docker, Kubernetes, Continuous Integration and Development, Systems Engineering

**Soft Skills:** Attention to Detail, Analytical Skills, Constructive Feedback, Entrepreneurial Spirit, Engineers, Software Engineers, Customer Centric, Team Player, Deliverables, Research, Continuous Delivery.