

ASHUTOSH KUMAR

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Professional Summary

Software Development Engineer with 2+ years of experience specializing in scalable mobile gaming applications and cross-platform development. Expert in Flutter, React, Node and modern backend technologies with proven track record of optimizing applications serving millions of users. Proficient in Clean Architecture patterns, CI/CD pipeline design, and performance optimization. Demonstrated leadership in product launches contributing to significant company growth through strategic technical execution and effective cross-functional collaboration.

Experience

Junglee Games India Pvt Ltd

May 2024 – Present

Software Development Engineer (Flutter, Node, Kotlin)

Bengaluru/Gurgaon

- Developed and shipped high-performance Flutter modules for gaming features, including live tournaments (**100k+ concurrent players**) and user engagement components, boosting **25% user acquisition** and **15% revenue growth**.
- Built reusable Flutter widgets, custom plugins, and debugging tools, improving code efficiency by **40%** and reducing crash rates by **25%** for **500k+ DAUs**.
- Implemented state management and modular architecture (Clean Architecture + MVC/MVVM) to enhance scalability and maintainability, reducing app size by **30%** and build times by **35%**.
- Integrated backend APIs, Firebase services, and payment gateways in Flutter, ensuring smooth cross-platform experience and real-time functionality.
- Optimized Flutter app performance, animations, and UI responsiveness for large-scale gaming scenarios while maintaining **99.9% uptime** and stable performance under peak loads.

Qneuro India Pvt. Ltd.

August 2023 – May 2024

Flutter Developer Intern

On-site

- Contributed to a patent-pending neurological sound wave generation project, developing C++ shared libraries integrated with Flutter, achieving **microsecond-level audio precision** for brain wave synchronization and therapeutic treatments.
- Developed automated testing services, reducing bug detection time by **40%** and improving test coverage to **95%** for production medical-grade neurological applications.
- Engineered neurology-based sound wave generator with advanced signal processing algorithms, enabling **real-time audio processing at 500+ samples/ms** for high-accuracy therapeutic outcomes.
- Integrated RESTful APIs and optimized Flutter performance, increasing app responsiveness by **30%** and reducing memory usage by **25%** across neurological assessment tools.
- Implemented scalable design patterns and efficient algorithms, maintaining a **99.9% app uptime** and ensuring FDA-level reliability standards for production medical applications.

Projects

Bluetooth Interaction Utility — Flutter, Bluetooth Low Energy, Firebase

- * Engineered mobile application enabling real-time Bluetooth communication for hardware-level interactions with 99% accuracy rate and low-latency data transmission.

Neurological Signal Processing Tool — Flutter, C++, Shared Objects, Patent-Pending

- * Developed patent-pending neurology-based sound wave generator library in C++ integrated with Flutter via shared objects, achieving microsecond-level precision for therapeutic brain wave synchronization and neurological assessment applications.

Flutter Unity Meditation App — Flutter, Unity Integration

- * Integrated Unity 3D engine with Flutter to deliver immersive meditation experiences with cross-platform compatibility and optimized memory management.

Education

Vellore Institute of Technology, Vellore

September 2022 – May 2024

Master of Computer Applications

CGPA: 8.12/10

Aryabhatta Knowledge University, Patna

September 2018 – December 2021

Bachelor of Computer Applications

73.9%

Technical Skills

Programming Languages: Dart, Python, JavaScript, HTML/CSS, C/C++
Frameworks & Libraries: Flutter, React, Node.js, Express.js
Databases & Backend: MongoDB, MySQL, Firebase
Architecture Patterns: Clean Architecture, MVC, MVVM, Modular Programming
Tools & Technologies: Git, VS Code, Android Studio, Docker, Postman
DevOps & CI/CD: Bitbucket, Fastlane, Shorebird, Unity, Firebase, Xcode, GitHub Actions, CodeMagic, Shell Scripts
Specialized Technologies: Neurological Signal Processing, Medical-Grade Applications, Patent Development, Therapeutic Audio Systems
Development Tools: Copilot LLMs, automated testing, debugging tools
Design & UI/UX: Figma, Adobe XD, Responsive Design, Material-UI, SoftUI

Achievements

Patent & Innovation Contributions
Co-developed patent-pending neurological sound wave generation technology at Qneuro India, focusing on therapeutic brain wave synchronization and medical-grade audio signal processing applications.
Contributed to innovative neurological assessment tools using advanced signal processing algorithms with microsecond-level precision for clinical therapeutic applications.

Technical Leadership & Product Impact
Led successful launches of multiple high-impact features at Junglee Games contributing to 40% company growth through strategic planning, technical execution, and effective coordination of cross-functional teams.
Achieved 30% app size reduction through Clean Architecture implementation and 40% improvement in bug detection through automated testing and modern debugging tools.
Provided technical leadership for major releases ensuring stable performance, timely delivery, and continuous product improvement in high-traffic gaming environments.

ICPC Assiut University Training - Competitive Programming
Completed advanced algorithmic problem-solving training through ICCP preparation contests, mastering data structures and algorithms for optimized real-time applications.

Certifications

Postman: Complete Guide - REST API Testing	Udemy
ReactJS Certification	HackerRank
Python for Data Science	UpGrad