

Yushant Tyagi

Software Engineer

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Profile

Software Development Engineer with 4+ years building service-based architectures and TV platform integrations. Led cross-functional and international launches that contributed to \$4.5M+ annual revenue. Recognized for system design, performance optimization, and operational excellence; focused on developer productivity through automation, standardization, and documentation.

Professional Experience

Amazon

03/2022 – Present | London, UK

Software Development Engineer 2

Architecture & System Design:

- Led UK Operator Apps service architecture design, enabling multi-provider support and improving platform security
- Architected country-based Settings Orchestration Layer, unblocking device programs across NA, IN, and EU markets
- Spearheaded Dynamic Upsell integration generating ~\$4.5MM annual revenue through personalized recommendations

International Technical Leadership:

- Led BBC certification efforts at Amlogic Xi'an(China) office, resolving 10+ critical issues blocking device launch
- Drove successful APK bundle model implementation at TCL Shenzhen(China) through effective cross-cultural collaboration
- Led Fire OS 8 platform migration as Single Threaded Owner, unblocking multiple team dependencies

Operational Excellence:

- Reduced development environment setup time from days to 2 hours through standardized documentation
- Achieved 99%+ API success rate for Dynamic Upsell while reducing customer setup time by 20 seconds
- Delivered FOS8 migration ahead of schedule with zero Day-0 customer impacts

Technical Documentation & Process Improvement:

- Created repository setup guides adopted as standard across Fire TV teams
- Developed automated tools for flow configuration, reducing manual effort and potential errors
- Served as Security Certifier for Fire TV and GenAI applications, maintaining platform security standards

Delhivery

08/2021 – 03/2022 | Delhi, India

Software Engineer

- Designed and developed high-performance APIs to efficiently handle bulk data processing and improve throughput.
- Optimized long-running SQL queries, reducing execution time by 90% and significantly improving database responsiveness.

Education

BTech in Computer Science

07/2017 – 07/2021 | Pune, India

MIT Academy Of Engineering

- Cumulative GPA: 9.64
- Department topper award 2019
- Technical Lead, CodeChef Campus Chapter. Led campus programming initiatives, organized contests, and mentored peers in competitive coding.

Secondary & Senior Secondary Education

04/2015 – 04/2017 | Delhi, India

Laxman Public School

- School Topper: Secondary School Examinations, CGPA 10/10, and Senior Secondary Examinations, 97.8% in Science stream.
- Principal's Award 2017 for outstanding academic performance.
- Received a Letter of Appreciation from the former Education Minister of India for exceptional board exam results.
- Head Boy (Senior) and Environmental Head Boy (Junior) – led student council and school-wide initiatives.
- NCC A-Certificate holder, actively participated in national-level drills and training.

Skills

Programming Languages & Frameworks:

Java, Kotlin, Android Framework (AOSP, Fire OS), AIDL

Software Development Practices:

Agile/Scrum, CI/CD Pipelines, Code & Security Reviews, Operational Excellence, Documentation & Standardization

Development & Build Tools:

Gradle, Soong Build System, Git, Gerrit, IntelliJ IDEA, Android Studio

System Design & Architecture:

Android System Architecture, TV Platform Architecture, Middleware Development, Service Integration Patterns

Testing & Quality:

JUnit, TestNG, Mockito, mockk, Robolectric, Unit & Integration Testing, Performance Optimization