

Kumarasamy K

✉ kumarsamy19792@gmail.com | 📞 +91 99400 44069 | 📍 Chennai, India
🔗 LinkedIn: linkedin.com/in/kumarasamy-k-b913a0135

Professional Summary

Results-driven Python & Android Developer with 10+ years of experience delivering high-performance backend systems and mobile applications. Proven track record of:

- Reducing API latency by 30%, improving scalability for 50K+ daily active users.
- Boosting mobile app retention by 20% through feature enhancements and optimizations.
- Building fault-tolerant microservices, event-driven architectures, and secure mobile solutions.

Expert in Flask, FastAPI, Kotlin, MVVM, Docker, and modern asynchronous programming. Adept at bridging backend and mobile workflows, leading cross-functional teams, and delivering end-to-end products from concept to deployment.

Core Skills

Backend: Python, Flask, FastAPI, REST APIs, Kafka, Docker, PostgreSQL, MySQL

Mobile: Android SDK, Kotlin, Java, MVVM, Retrofit, Coroutines, Flow, LiveData

Architecture: Microservices, Event-Driven Systems, Clean Architecture, SOLID

Tools: Git, Firebase, Docker Compose, Visual Studio Code, Android Studio

Others: Play Store Optimization, CI/CD, Asynchronous Programming

Professional Experience

Senior Software Engineer – Android & Python – TalentMicro Innovations Pvt Ltd
(Oct 2020 – Present)

- Integrated Retrofit for secure API communication, leveraging Coroutines & Flow for real-time UI updates.
- Enhanced performance and UX, boosting retention by 20% through targeted feature improvements.
- Mentored junior engineers, improving code quality and onboarding speed.

- Designed and deployed scalable microservices using Python, Flask, and FastAPI for multi-tenant recruitment platforms, enabling role-based access control, workflow automation, and real-time status tracking.
- Built a distributed scheduling engine using AWS Lambda, Kafka, and worker-based models, improving reliability with retry logic & exponential backoff, ensuring 100% critical event delivery.
- Developed a global notification platform delivering multi-channel alerts (Slack, Email, Push) with low latency & high throughput; integrated prioritization and deduplication, reducing redundant notifications by 40%.
- Optimized queries and migrated to async endpoints, cutting response times by 30% during peak usage.
- Containerized services with Docker, streamlining development-to-production deployments.
- Partnered with UI/UX and frontend teams to define API contracts, align system design, and ensure seamless integration.

Software Engineer – Android – HireCraft Software Pvt Ltd (Apr 2016 – Oct 2020)

- Delivered modular MVVM-based Android apps, improving maintainability and test coverage.
- Integrated third-party libraries (Glide, Firebase) to enhance UX and performance.
- Achieved 99.9% uptime by proactively resolving production issues and optimizing background tasks.

Junior Android Developer – Benchmark Business Software (Jul 2014 – Apr 2016)

- Developed and debugged core Android features with focus on performance optimization.
- Added localization & accessibility features, increasing reach to a wider audience.

Projects

- **Tallite (2021–Present)** – [Link](#) – 4.5★ | 100+ downloads
Global recruitment platform. Built backend modules (Flask & FastAPI) for job workflows, referral tracking, authentication, real-time status updates.
- **TalliteSS (2021–Present)** – [Link](#)
HR suite for staffing & RPO. Developed backend services for candidate profiling, job order management, role-based access, and workflow automation.

- **CVMine (2020–Present) – [Link](#) – 5.0★**
Job platform with TAL token rewards. Built secure backend APIs for CV encryption, employer-agent connections, and job search.
- **WhatMate (2020–Present) – [Link](#) – 4.1★ | 10,000+ downloads**
AI-driven enterprise automation app. Developed Android features and optimized backend communication for faster task execution.
- **FileShore (2023–Present) – [Link](#)**
Cloud document management platform. Built secure sharing, multi-factor authentication, and multi-level e-sign workflows.

Education

B.Tech – Information Technology

Dr. Sivanthi Aditanar College of Engineering, Tiruchendur, Tamil Nadu (2010 – 2013)

Personal Information

DOB: 19 July 1992 | **Location:** Chennai, Tamil Nadu, India