Gor Arakelyan

Full-Stack Developer (Backend • Android • Game Systems)

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Professional Summary

Dynamic Full-Stack Developer with experience building scalable backend systems, Android mobile applications, and interactive game prototypes. Proficient in Python, Java, JavaScript, and Android development using Java & Kotlin. Experienced in REST API architecture, encryption systems (RSA/AES), and structured application lifecycle management. Focused on clean code, performance optimization, and secure system design.

Work Experience

- Front-End Developer – Vararak Company (2021–2024): Developed and maintained responsive web applications using HTML, CSS, and JavaScript. Collaborated on backend integration and performance optimization.
- WordPress Developer – Vararak Company: Built and customized WordPress platforms, implemented plugins, and optimized SEO performance.
- Android Developer (Self-Employed – 2022–Present): Designed and developed Android applications using Java and Kotlin, implemented structured lifecycle management, scoring systems, and managed signed GitHub releases.

Selected Projects

- Secure Encrypted Chat (Python): Implemented RSA (2048-bit) encryption with AES hybrid messaging and socket-based communication.
- QuizGeeK (Android): Trivia application built with Java featuring structured game logic and signed APK release distribution.
- GameVault API (FastAPI): RESTful backend API using FastAPI and SQLite with structured routing and JSON communication.
- 2D RPG Battle System Prototype (C# / Godot): Modular turn-based battle system implementing game state management.

Technical Skills

- Backend: Python (FastAPI), REST APIs, Encryption (RSA, AES), SQLite
- Frontend: HTML5, CSS3, JavaScript, React (Basic)
- Mobile: Android (Java, Kotlin)
- Game Development: C# (Unity / Godot), Game Logic Architecture
- Tools: Git, GitHub, Gradle, WordPress

Education

Informatics and Applied Mathematics – Yerevan State University (2017–Present)