

SUMMARY

- An entrepreneurial Software Engineer and Founder with Principal-level expertise in end-to-end product development. Specializing in architecting high-performance native mobile applications, on-device AI solutions, and monetized, globally-ready products. Proven ability to lead technical strategy and execution from concept to launch.

EXPERIENCE

- **Founder & CTO** Seoul, Kr
MilliyTechnology LLC Apr 2025 - Present
 - Conceived, architected, and engineered a novel AI-driven English learning application, owning the entire product lifecycle from ideation and technical implementation to monetization and deployment.
 - Engineered a high-performance, fully offline AI pipeline by integrating the **Vosk** engine for real-time speech recognition and a custom-optimized **Kokoro-82M ONNX model** for text-to-speech.
 - Designed and deployed a cost-optimized serverless backend using **Cloudflare Workers** to process LLM feedback, minimizing billable compute time and dramatically reducing operational costs.
 - Architected a comprehensive monetization system, integrating both **Google Play Billing** for global subscriptions and a regional provider (**Click**) to maximize market reach in Uzbekistan.
 - Delivered a polished user experience with dynamic theming (Dark/Light Mode) and full localization (l10n) for **Uzbek, Russian, and English-speaking audiences**.
- **Lead Mobile Engineer** Seoul, Kr
StoneLab Apr 2022 - Present
 - **Lead Engineer on ARIA Wellness (Native Android - Kotlin)**
 - * Led the end-to-end development of the native Android application for a mental wellness platform using **Jetpack Compose**, from initial architecture to final deployment.
 - * Implemented a suite of complex features including AI-based **audio streaming**, secure **OAuth**, stateful user flows, and **Camera** hardware integration.
 - * Ensured a global-ready product by implementing full localization (l10n) for **Korean and English-speaking markets**.
 - **Project Leadership & Cross-Platform Development**
 - * Established and managed project roadmaps and backlogs for mobile and backend teams using **GitHub Projects**, improving cross-functional alignment and development velocity.
 - * Developed multiple **Flutter** applications for a hybrid CBT digital medicine platform (ARIA DTx) and contributed to a **ReactJS** MVP demonstrated at CES 2024.
- **MERN Stack developer** Fergana, Uz
Codemy Uz Jul 2019 - Jul 2020
 - Developed and deployed a Progressive Web App (PWA) using Angular, serving thousands of local restaurant clients with a unified digital ordering and management platform.

PROJECTS

- **Web Content Management System (CRM)** Fall 2024
Side Project Docker, Kubernetes (K8s), CI/CD
 - Architected and deployed a **CI/CD pipeline** using **Docker** and **Kubernetes (K8s)** for a CRM-based web content management platform on university servers, automating the build and release process.

TECHNICAL SKILLS

- **Languages:**Kotlin, Dart, Python, TypeScript/JavaScript, C++
- **Mobile:**Jetpack Compose, Flutter, Android SDK, Google Play Billing, Coroutines, Flow, Hilt, Room
- **AI / ML:**ONNX Runtime, Vosk, Hugging Face, LLM Integration
- **Backend & Cloud:**Cloudflare Workers, HonoJS, ExpressJS, D1, R2, Vercel, Firebase, MongoDB
- **DevOps & Tools:**Git, GitHub (Actions, Projects), Docker, Kubernetes, Linux, Raspberry Pi