Rahul S

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SUMMARY

Multilingual Mobile Engineer with a foundation in **Kotlin, Swift, and full-stack development**, currently building cross-platform apps and exploring advanced AI integration. Experienced in **Jetpack Compose**, **SwiftUI**, and modern mobile architectures (MVVM, MVI), with a strong focus on UI/UX quality and end-to-end product ownership.

JLPT N1–certified bilingual (Japanese–English), skilled in async team collaboration using GitHub, Slack, Notion, and Figma. Passionate about building intuitive, scalable apps that combine modern development tools with user-centric design.

EXPERIENCE

Android Kotlin Developer (Independent)
TiME (Personal Project) · **February 2024 – Present**

- Developed the TiME App (BETA), an Android time management and productivity application built with Kotlin, Android Jetpack, and hosted at Google's Firebase.
- Full-stack Android App Development: End-to-end development, from UI design (Figma) through back-end implementation and deployment.
- Technical Expertise: Kotlin, Java, Firebase, Android Jetpack, and UX methodologies.
- Agile Collaboration: Actively engaged in agile sprints, ensuring timely delivery and continual enhancements.
- Rigorous QA Practices: Conducted thorough testing and debugging, significantly enhancing application reliability and UX/UI performance.

Applied AI & LLM Engineering (Independent)
Active Research Aligned with M.S. in Software Engineering – AI Specialization · **May 2024 – Present**

- Currently building a **Japanese-Language LLM Benchmark Suite**, comparing inference speed, memory use, and output quality across models such as `rinna/gpt2`, `cl-tohoku/bert-base-japanese`, and quantized variants using QLoRA and GPTQ.
- Reproducing and documenting **quantization/distillation pipelines**, including DistilBERT applied to Japanese datasets.

Part-time Assistant (Remote) · **Aug 2016 – Dec 2019**

- Provided support for a private software project including research, documentation, and data entry

PROJECTS

TiME Android – Kotlin Time Management Productivity App

Open-Source Project | GitHub - Jan 2024 – Present

- Independently designed and developed a modern Android app using **Jetpack Compose**, following **MVVM architecture** and **Material 3 guidelines**, to deliver an intuitive and responsive time management experience.
- Implemented full **Cloud Firestore integration** (Google Firebase) for real-time session tracking, CRUD operations, and cross-device sync.
- Owned the full development lifecycle including **UI/UX design**, state management, **repository pattern**, and Firestore access control via Firebase Rules.
- Built with team scalability in mind—clean architecture, modular codebase, and GitHub-driven workflow (PRs, CI/CD ready).
- Currently expanding the project into iOS (SwiftUI) and adding advanced features such as smart reminders and AI-driven suggestions.

EDUCATION

Master's in Software Engineering (AI Engineering Specialization)
Western Governors University · Saltlake City, Utah · 03-2024 ~ 12-2025

- Specialization: Applied AI Systems, LLM Engineering, Practical ML/NLP Deployment
- Key Focus Areas: Transformer architectures, LLM inference, model compression, evaluation techniques
- Capstone: Research project in quantization + inference pipelines for multilingual LLMs (planned)

Bachelor's in Software Engineering (Java Full Stack Specialization)
Western Governors University · Saltlake City, Utah · 02-2020 ~ 02-2024

- Built and deployed full-stack android applications integrating **REST APIs**, **SQL/NoSQL databases**, and **frontend interfaces** using Angular and JavaScript.
- Gained exposure to **software testing**, **CI/CD pipelines**, and **Agile methodologies** through industry-oriented coursework.
- Strengthened technical writing and system documentation skills, setting a strong base for future research and AI engineering roles.

Associates Diploma Degree in Automotive Engineering
ICEAS · Bangalore, India · 06-2012 ~ 06-2016

CERTIFICATIONS

ITIL Foundation Certificate V4
AXELOS · 2025

- Project Management and AGILE SCRUM Principles.

UX Design
Google Professional Certificate · 2024

- Figma and Sketch, UX / UI Software Design and Prototyping.

Project Management
Google Professional Certificate · 2024

- Project Management Fundamentals and Sprint Based Methodology.

IT Support Professional
Google Professional Certificate · 2023

- IT Computer Hardware, Software and Network related Fundamentals and Troubleshooting.

JLPT N1
The Japan Foundation · 2023

- Mastered nearly **30,000** Japanese words
- Learned and recognized **3,000+** Kanji characters

SKILLS

- **Kotlin** (Compose | Android) & **Swift** (SwiftUI | iOS) Development
- Python, SQL, Typescript (JS)
- Sketch and Figma (UX/UI), Prototyping, Responsive Design
- Computer Hardware and IT Specialization
- **Applied AI & LLM** Transformers, NLP, Model Quantization & Distillation