Kunchok Tashi

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Full Stack Mobile application developer with 5+ years of experience in building scalable web and mobile apps. Skilled in modern frameworks, RESTful APIs, and database management. Experienced in LLM integrations, including RAG, ElevenLabs voice AI, and AI-driven chat. Passionate about user-centric solutions and open-source contributions.

WORK EXPERIENCE

Kindr   *Calgary, CA*

Mobile Application Developer   Feb 2025 – Present

- Building cross-platform applications and writing unit tests to ensure stability.

- Setting up CI/CD pipelines with GitHub Actions, automating testing and deployment to streamline development.

- Using Firebase Crashlytics to monitor app stability and Firebase Analytics to track user interactions, providing insights to improve performance.
- Implementing data and image caching strategies to optimize network usage, improving app speed and enhancing user experience in low-network conditions.

- AWS Cloud: Working with EC2, Lambda, and other AWS services for scalable backend infrastructure.

- LLM POC: Developing a proof of concept for LLM integration, incorporating text embedding for semantic search and AI chatbot capabilities to enhance user engagement.

Ontario, CA

Upwork Inc

Software Engineer / Mobile Application Developer   Sept 2024 – Present

- Successfully delivered customized mobile and web applications to clients on Upwork, leveraging technologies like Material Design, Flutter, Angular, and Spring Boot, along with AI features such as voice generation and RAG.

- Collaborated with international clients to understand project requirements, ensuring timely and high-quality deliverables. Demonstrated strong project management skills by independently handling full-cycle development on freelance projects, from planning to deployment, with 100% JSS and Top Rated status.

  Additionally, I integrated LLMs into various projects, including:

- Building a Chrome extension for AI voice generation, leveraging ElevenLabs for enhanced capabilities.

- Developing a RAG application using Pinecone and text embedding, allowing users to interact with documents (PDFs, DOCs) through chat.

- Building customized LLMs with custom languages using Gemini and OpenAI models, tailoring AI solutions to specific client needs. I also have experience integrating TensorFlow and Firebase ML Kit for OCR and image labeling, enhancing the capabilities of AI-powered applications.

- In my freelancing work, I follow Agile methodologies by continuously incorporating client feedback, prioritizing requested features, and ensuring iterative development for optimal results and their satisfaction.

- **Technologies:** OOPs, Native Android, Flutter, Spring Boot, Node.js, GCP, LLM, TensorFlow, Azure DevOps.

Gurugram, IN

Luminous Power Technologies

Senior Software/Mobile Application Engineer   Aug 2023 – Aug 2024

- I developed robust mobile applications to connect both mobile and web platforms with physical devices like batteries and inverters via Bluetooth Low Energy, following the Android MVVM architecture. I was responsible for testing applications to ensure proper functionality and performance. Additionally, I formulated, designed, and implemented mobile solutions tailored to organizational requirements.

- I worked extensively on building IoT device apps that interact with and monitor hardware devices, such as inverters and batteries, with the ability to update firmware. My role also included integrating SonarCloud for code analysis and setting up CI/CD pipelines in Azure DevOps to ensure a smooth and efficient delivery process.

- Additionally, I contributed to the development of an augmented reality application for the mobile platform, enhancing the user experience for product purchases. I also worked on an Angular-based web portal that allows administrators to monitor users, inverters, and device usage, providing essential insights and control.

- Throughout the project lifecycle, we followed Agile methodologies with Jira Task management, working in iterative sprints to deliver incremental progress and ensuring continuous collaboration and feedback from stakeholders. This approach enabled us to adapt to changes quickly, prioritize tasks effectively, and maintain a high level of product quality and user satisfaction.

- **Technologies**: OOPs, Android, Angular, Nodejs, Azure DevOps, Spring Boot, ARCore, Agile

Banglore, IN

GeekyAnts

Software/Android Developer III   Aug 2022 – Aug 2023

- At Geekyants, I led backend development with Hasura and Node.js for a dating app featuring real-time chat, streaming feeds, and Twilio SMS/SendGrid integration. I played a pivotal role in ensuring smooth communication between users, real-time updates, and integration of messaging and notification services for a seamless user experience.

- I also built a Flutter-based ride-booking app utilizing the Google Maps API for location tracking and Firebase push notifications for real-time updates. The app followed Android clean architecture principles, ensuring scalability and maintainability, while the backend was developed using Spring Boot, ensuring robust API handling and data management.

- I was responsible for the complete coding and building of mobile software according to the product roadmap and customer requirements. This included collaborating closely with cross-functional teams to ensure that features were developed on time, met quality standards, and aligned with customer expectations.

- Throughout the development process, we adopted Agile methodologies with Jira as a task management tool, working in sprints to deliver features and enhancements. The iterative approach allowed us to maintain flexibility, incorporate regular feedback, and prioritize tasks based on changing customer needs. Regular sprint reviews and retrospectives helped improve team collaboration and performance.

- **Technologies used**: OOPs, Hasura GraphQL, Docker, Flutter, Node.js, Firebase, Spring Boot, Jenkin.

Banglore, IN

Unvired Inc

Software Mobile Engineer   Jan 2022 – Aug 2022
- Developed a cross-platform Flutter map plugin and application, supporting mobile, web, and desktop platforms, ensuring a seamless user experience across devices.

- Built a custom mapping library with Esri ArcGIS, enabling robust location-based features and multi-platform support.

- Developed an app for an airline organization to manage service requests, track repairs, and facilitate audits in the airline and the airport, improving operational efficiency and coordination.

- Implemented Jenkins pipelines for Android and iOS, automating build, testing, and deployment processes to ensure efficient CI/CD workflows.

- **Technologies**: Flutter, Kotlin, Swift, Native Java, Material Design, Jenkins

Banglore, IN

ICT Health Technology

Junior Software/Mobile Developer   Jan 2019 – Dec 2021
- Developed native Android and Ionic cross-platform applications for teleconsultation and health report tracking, ensuring accessibility across Android and iOS devices.

- Integrated Zoom SDK to enable seamless video consultations between patients and healthcare professionals, enhancing telemedicine capabilities.

- Designed and implemented RESTful APIs using Spring Boot for handling user authentication, appointment scheduling, and health report management.

- Developed REST APIs using Spring Boot, feature support, and bug fixing in Spring Framework.

- **Technologies**: OOPs, Ionic, Android, Spring Boot, Spring, JSP, HTML, Angular, Node.js.

Banglore, IN

Telusko

Native Android Developer Internship   Aug 2018 – Oct 2018
- Developed a native Android application for an online e-learning platform using MVVM architecture, ensuring modular, maintainable, and scalable code.

- Integrated video streaming functionality to enable seamless playback of course content, enhancing user experience.

- Designed and implemented RESTful APIs using Spring Boot for backend communication, handling user authentication, course content retrieval, and progress tracking.

- Implemented Room Database for offline support, enabling users to access downloaded course materials without an internet connection.

Technologies: Android, Spring Boot

EDUCATION(WES Evaluated)   *Banglore, IN*

Alliance University, College of Engineering and Design

Bachelor of Technology (BTech), Major in Computer Science   Aug 2015- Jun 2019

- **CGPA: 3.9**
- **Relevant Coursework:** Object-Oriented Program, Engineering Mathematics, Data Structure, Computer Organization, Theory of Computation, Operating Systems, Data Mining, Big Data Analysis, Cloud Computing, and Software Engineering.

- **Final Year Project:** Developed a machine learning model for pancreatic cancer detection using Python—leveraged algorithms such as Random Forest and Linear Regression to analyze medical data and improve diagnostic accuracy. The project focused on feature selection, model evaluation, and performance optimization to enhance predictive capabilities in early cancer detection.

ACHIEVEMENTS

- **Founder of KharagEdition**:

  Built multiple modern mobile applications for Android and iOS using Flutter, Kotlin, Firebase, Java, and GCP, achieving over 50,000 downloads while providing seamless user experiences.

  Upwork: https://www.upwork.com/freelancers/kunchok

  Portfolio:https://tashi.kharagedition.com

  Website: https://kharagedition.com

  Android: https://play.google.com/store/apps/dev?id=5910382695653514663

  iOS: https://apps.apple.com/us/developer/kunchok-tashi/id1793456908

- **Technical Content Writer**:

  Authored engaging content on Flutter, Node.js, and Java, simplifying complex topics for a global audience of developers, with an active following of over 660.

  https://medium.com/@codingwithtashi

SKILLS

- **Technical**:
  1. **Frontend:** Native Android Kotlin, Flutter, Angular, Next js
  2. **Backend:** Springboot, Nodejs, Firebase, Hasura
  3. **Cloud technology:** GCP, Azure services such as Firebase, app service, pipeline
  4. **DevSecOps:** CICD pipeline, Github action, sonar cloud, CSP header, JWT auth
  5. **AI Tools:** OpenAI, Hugging face, Langchain, Vector db, Firebase MLKit

- **Languages**: English (fluent), Tibetan (fluent), Hindi (conversational)