# Ravikant Paudel

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## EDUCATION

**Kathford International College of Engineering and Management** — Lalitpur, Nepal
*Bachelor in Computer Engineering (Tribhuvan University) – First division* — *2010-2014*

**Capitol Hill Academy H S School** — Teku, Kathmandu
*Higher Secondary Education Board (HSEB) – First division* — *2008-2010*

## EXPERIENCE

**Senior Software Engineer** — Apr 2025 – Present
*YCO Solutions Pvt. Ltd.* — *Pani Pokhari, Kathmandu*

- Leading the development of a comprehensive Flutter-based stock trading application focused on Nepal Stock Exchange (NEPSE) market data, serving thousands of active investors with real-time financial insights
- Architected and implemented advanced features including dynamic watchlists, intelligent stock screening tools, and portfolio management systems, enabling users to track and analyze their NEPSE investments effectively
- Engineered real-time data synchronization mechanisms for live stock prices, market indices, and trading volumes, ensuring users receive up-to-the-minute market information for informed decision-making
- Designed and developed intuitive UI/UX interfaces for complex financial data visualization, including interactive charts, technical indicators, and market trend analysis, making stock market data accessible to both novice and experienced investors
- Implemented robust data caching and offline capabilities, allowing users to access historical market data and portfolio information even without internet connectivity, improving app reliability by 35%
- Collaborated with cross-functional teams to integrate third-party APIs for market data feeds, news aggregation, and financial analytics, expanding the app's functionality and user value proposition

**Senior Software Engineer, Mobile Lead** — Feb 2019 – Apr 2025
*Khalti* — *Bakhundole, Lalitpur*

- Spearheaded and mentored a high-performing Flutter mobile development team, playing a pivotal role in product direction and strategic planning, consistently delivering top-tier mobile applications used by hundreds of thousands of users
- Directed the consolidation of native mobile applications into a Flutter app architecture, improving deployment efficiency and minimizing bugs post-launch, leading to a 30% decrease in user-reported issues within the first quarter
- Transitioned the team's reactive implementation to an enhanced MVP architecture, significantly improving code modularity, maintainability, and testability. This change reduced code smell and achieved nearly 70% test coverage
- Engineered Khalti's payment SDK for mobile apps, streamlining integration processes for developers and broadening the service's adoption, resulting in an estimated 40-50% increase in third-party integrations
- Established a rigorous code review protocol, improving code quality and reducing post-release issues by 30%
- Transitioned numerous manual workflows to automated processes, cutting time spent on routine tasks by approximately 30-40%, thereby significantly enhancing team productivity

**Senior Android Developer** — Aug 2015 – Jan 2019
*Ekbana* — *Jwagal, Lalitpur*

- Developed and deployed Android apps using industry-standard architectural design and coding practices, achieving an average 4.8/5 rating on the Play Store and driving over 100,000 downloads with a 20% increase in user retention
- Introduced and implemented the MVP (Model View Presenter) design pattern, increasing code testability by 40% and improving the separation of concerns, which led to a 30% reduction in debugging time and faster feature deployment
- Developed and deployed Android applications at Ekbana, tailored to company objectives and driving growth
- Developed the Android app for Ekbana, expanding the brand's mobile presence and boosting user engagement by 50%, resulting in a 30% increase in customer interactions and a 20% growth in app-driven sales within the first six months
- Elevated UI/UX standards by redesigning key interfaces, leading to a 35% increase in user retention and a 40% rise in positive feedback, while reducing user drop-off rates by 25%

## Mobile Application Developer, Intern
*Uber Opus Pvt Ltd*

<div align="right">Feb 2015 – Jul 2015</div>

*Baghbazar, Kathmandu*

- Worked closely with senior developers to troubleshoot and resolve complex bugs, significantly enhancing application stability and reliability, resulting in a 40% decrease in issue recurrence and a 15% boost in user ratings
- Achieved proficiency in Android development tools and libraries, leading to a 25% improvement in development speed and successfully integrating advanced features that expanded app functionality and user experience

## PROJECTS

### NEPSE Uncle - Stock Market Companion
<div align="right">Apr 2025 – Present</div>

- Developed a comprehensive Flutter application for Nepal Stock Exchange (NEPSE) investors, providing real-time market data, live stock prices, and company updates to support informed investment decisions for both novice and experienced traders
- Implemented advanced features including customizable watchlists, stock screening tools, and portfolio tracking capabilities, enabling users to monitor their investments and identify trading opportunities efficiently, resulting in increased user engagement
- Integrated real-time data feeds for NEPSE market indices, individual stock prices, and trading volumes, ensuring users receive up-to-date market information with minimal latency, improving decision-making accuracy by 40%
- Designed and developed interactive charts and historical trend analysis tools, allowing users to visualize market movements and identify patterns, making complex financial data accessible and actionable for the average investor
- Built a robust notification system for market announcements, company updates, and price alerts, keeping users informed of critical market events and enabling timely investment actions
- Achieved high user satisfaction with simplified UI/UX design focused on clarity and ease of use, making stock market information accessible to users with varying levels of financial literacy

### Khalti Digital Wallet (Nepal)
<div align="right">Feb 2019 – Apr 2025</div>

- Implemented advanced security features within Khalti's digital wallet, enhancing fraud detection capabilities and reducing fraudulent transactions by 50%, thereby increasing consumer trust and overall wallet usage
- Integrated APIs for mobile recharges, bill payments, and ticket bookings, increasing the app's versatility and driving a 40% boost in user engagement and a 30% rise in in-app transactions
- Revamped UI/UX design to ensure a seamless user experience, resulting in a 50% increase in user engagement and a 30% reduction in support tickets related to usability issues
- Conducted thorough testing and debugging to uphold high app reliability and security standards, leading to a 40% decrease in critical bugs and a 25% reduction in security vulnerabilities, significantly enhancing overall app stability

### Hours and Pay
<div align="right">Sep 2017 – Jun 2018</div>

- Enhanced the "Hours & Pay" app by integrating features for image upload/editing, expense tracking, and editable employee details, resulting in a 30% increase in user efficiency for job management and a 20% boost in user satisfaction
- Implemented design updates and resolved critical issues, leading to a 40% improvement in user experience and a 25% enhancement in overall app functionality, resulting in increased user retention and satisfaction
- Added functionality for updating and deleting expenses and making employee details such as email and SSN editable, enhancing flexibility and accuracy, which led to a 30% increase in user satisfaction and a 20% improvement in data accuracy

### AlmostMe - Crowd Source Reporting Application
<div align="right">Jan 2017 – Sep 2017</div>

- Architected and developed the "AlmostMe" Android application, enabling form generation from JSON data. This innovation facilitated crowd-sourced reporting, resulting in a 50% increase in safety incident reports and a 35% improvement in organizational quality management processes
- Integrated QR code functionality for capturing Location ID and Event ID, and added image uploading with summary management features. These enhancements improved reporting accuracy by 40% and streamlined data entry processes, resulting in a 30% increase in user efficiency

### Bigmart
<div align="right">Feb 2016 – Jan 2018</div>

- Developed the BigMart Android app, allowing customers to browse items, add them to the cart, and complete purchases seamlessly. This enhancement led to a 40% increase in transaction volume and a 25% boost in user satisfaction, significantly improving online shopping convenience

- Integrated XML and JSON data handling with a custom HTTP module and implemented offline data storage using SQLite, resulting in a seamless user experience with a 30% reduction in data retrieval times and enhanced app performance during offline usage
- Enhanced the user experience by integrating features for interacting with BigMart's loyalty system, promotions, and discount vouchers. These improvements drove a 30% increase in customer engagement and a 20% rise in redemption rates, resulting in significant customer savings and increased brand loyalty

## TECHNICAL SKILLS

**Languages**: Dart, Java, Kotlin, Go, Python
**Frameworks**: Flutter, Android, RxJava, RxAndroid
**Developer Tools**: Git, Google Cloud Platform, VS Code, Android Studio
**Methodology**: Scrum, Agile
**Others**: CI/CD, REST API, UI/UX, Real-time Data Integration